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CATALOGUE

OF THE

LAND AND FRESH-WATER SHELLS

OF

BRITISH INDIA.

55423

BY

W. THEOBALD, Esq.,

LOGICAL SURVEY OF INDIA.

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ADDENDA ET CORRIGENDA.

THE reader's indulgence is requested for trivial typographical errors, and for the long list of additions and corrections which it has been necessary to make, which are partly due to the fact of the Catalogue having been long in hand, and ultimately printed off during the author's absence in England. The reader is requested to make the necessary interpolations in the proper places.

ISLE OF WIGHT, *August* 1876. W. THEOBALD.

Page 4, *after* 'NERITINA' *insert* 'NAVICELLA, Lamarck. N. lineata, Lam.'
Page 5, *erase* 'XESTA,' *and read* 'HEMIPLECTA, sections *b. c. d.*'
„ *below* 'præstans' *add* 'Section *f.* H. Thwaitesii, Humb.'
„ „ 'VALLONIA' *insert* 'EUCOCHLIAS, Theobald. E. ochthoplax, B.'
„ *after* 'PERONÆUS' *add* 'Section *b.* P. cœnopictus, Hutton.'
Page 9, „ 'P. CONICA, Gray,' *add* '*Tanalia rudis*, Reeve.'
„ „ 'P. LABIOSA, B.,' *add* '*P. cincta*, Gould.'
„ „ 'P. OBESA, Phil.,' *add* '*P. maculata*, Lea.'
Page 10, *erase* '*Tanalia rudis*, Reeve.'
Page 11, *after* 'MELANIA EPISCOPALIS, Lea,' *add* '*M. Godwini*, Brot.'
Page 13, *add* 'CREMNOCONCHUS FAIRBANKI, Bl.—C. I., 146, 7.'
Page 14, *erase* 'V. HAINESIANA, Lea,' *and substitute* 'V. SIAMENSIS, Frauen.'
Lea's species may possibly occur, but my Irawadi shells are undoubtedly 'Siamensis,' having compared them with that species in the Imperial Museum, Calcutta.
Page 14, *after* 'B. CERAMEOPOMA, B.,' *add* 'India generally.'
„ 'B. GLOBULA, Lea.'
In Plate CLI., C. I., my esteemed coadjutor refers this species to Hutton's 'parvula,' and places both in the American genus 'Amnicola.' If Lea's locality, "Calcutta," is correct, the shells are unquestionably not Amnicola. But it is not improbable that Hutton's shells may belong to Paludinella, as Mr. Hanley informs me in 'epistola' that the opercula are not shelly. I have never, however, myself seen Paludinella from Continental India.
Page 14, *after* '*costigera*, Beck,' *add* '*B.* (*valvata*) *sulcata*, Eyd. and Soul.'
Page 15, *add* 'ACMELLA HYDRIA, God. Aust.—North East Bengal.
(Minutes of the Trustees, Imperial Museum (Calcutta), Vol. VII., p. 162.)'
Page 16, *insert* 'N. CEYLONENSIS, Recluz—Jour. Conch., 1851, p. 202;'
and 'N. COLUBER, Thorp—Ceylon—C. I., plate 157, f. 10.'
Page 17, *add* 'M. BIRMANUS, Pf.' *after* 'M. ACERRA, B.'
Page 18, *below* 'M. STEPHUS' *add* 'M. SUBCORNEA, Pf.—C. I., plate 149, f. 2, 3.'
The locality, Phie-than, is doubtful, though probably a Birmese shell.
Page 18, *transfer* 'M. GLAUCA' *to page* 19, *and add* 'M. SUBCORNEA, Pf.—C. I., 149, 2, 3.'
Page 19, *add* 'M. VALLICOLA, Pf.—Kundah Mountains—C. I., 128, f. 8, 9.'
Page 20, *below* 'LAYARDI' *insert* 'S. LIRATULA, Pf.—Ceylon—C. I., 150, f. 5, 6.'
„ „ 'PALMARIA' *insert* 'S. PHIDIAS, Thorp—Ceylon—C. I., 149, f. 4.'
„ *for* 'BASCUNDA' *read* 'BASCAUDA.'
„ 'K. BILIBATA,' *for* 'Shesroy' *read* 'Shevroy.'
Page 24, *before* 'FAMILY HELICIDÆ' *insert*:—

'FAMILY LIMACIDÆ.

ANADENUS (Mal. Blatt., 1863, p. 138).

A. ALTIVAGUS, Theob.—Simla hills—J. A. S., 1862, p. 489.
Limax altivagus, Theob.
A. giganteus, Hey.—Mal. Blatt., 1863, p. 140.

I would gladly accept the latter specific name of Heynemann for this species, in recognition of the pains with which his description of the animal has been elaborated, but for the principle involved. Moreover, no Latin diagnosis accompanies it, and this is a pernicious and indolent practice which has grown up, of Naturalists neglecting to take the small amount of trouble involved in the preparation in Latin of a brief generic and specific diagnosis, and resting content with each describing a new species in his own mother tongue—German, French, Russian, English, and what not. Already a wail reaches us from a distinguished ornithologist ("Stray Feathers," 1875, p. 329), at the difficulty of mastering Severtsov's Russian; but unfortunately, as the ornithologist in question is one who has always neglected to furnish a Latin diagnosis himself, he is almost incapacitated from objecting to the same neglectful plan being followed by a Russian author. The question, however, is soluble in a very easy way, and that is by enforcing the simple rule of recognising no specific name not based on a Latin diagnosis, however brief. Otherwise, Naturalists must at once, to the knowledge of English, French, and German, fall to work to master Russian and other portentous tongues; and what guarantee can they even have, that in another quarter of a century, say, they may not be compelled to add Chinese to their other accomplishments?

A. MODESTUS, Theob.—J. A. S., Simla hills, 1862, p. 489.
Limax modestus, Theob.
A. SCHLAGINTWEITI, Heyn.—Mal. Blatt., 1863, p. 141.

IBYCUS, *Heynemann*.

T. FISSIDENS, Hey.—Western Himalayas—Mal. Blatt., 1863, p. 142.

LIMAX, *Linnæus*.

L. VIRIDIS, Theob.—Mangrove swamps in Peru—J. A. S., 1864, p. 224.
This species is a pretty little green slug, which resembles in colour the bright green of the leaves of

the mangrove, on which it is found, and should probably be placed in some other genus, but I have lost my sole specimen.'

Page 24, *below* 'P. ANGUINA' *insert* 'P. BEDDOMEÆ, Han.—C. I., 150, f. 1, 2.'

Page 25, *insert* the following species of PLECTOPYLIS described by Major Godwin Austen (P. Z. S., November 17, 1874, p. 608), from the Naga hills and Munipur:—

'P. SERICA—Barrail range—5000.
P. SHIROIENSIS—Shiroifurar peak—8000, 9000.
P. NAGAENSIS—Naga hills—5000.
P. MUNIPURENSIS—Ihang valley, Munipur—3000, 4000.
P. PSEUDOPHIS, W. Bl. (MSS.)—Thaet-myo, Pegu.
P. TRILAMELLARIS, God. Aust.—Pegu—P. Z. S., 1875, p. 43.
P. DEXTRORSA, Gould. Godwin Austen also says, *leiophis* = REFUGA.'

Page 25, *below* 'CORIAREA' *insert* 'F. NOVELLA, Pf.—Ceylon—C. I., 150, f. 8.'

Page 26, „ 'CRASSICOSTATA' *add* 'T. *Footei*, Stol.—C. I., 149, f. 10.'

„ „ 'EUCOCHLIAS' *add* 'Genus novum, Hemiplecta, aspectu, sed animalis structurâ inter HELICIDAS locandum.'

Page 26, at bottom, *add* 'A. JANUS, Pf.—Mergui.
B. atricallosus—Conch. Ind. (not Gould), 19, f. 5.'

Page 27, *below* 'SCHOMBURGHI' *insert* 'A. *Andamanicus*, Thorp—C. I., 148, f. 10.'

„ *add* 'PERONÆUS CŒNOPICTUS, Hutton—India generally, Birmah—C. I., 23, f. 9.
B. lardeus, Pf.'.

Page 28, *erase* 'N. LARDEUS, Pf.'

„ *transfer* 'BALANUS' *to* 'GEOSTILBIA,' page 30.

„ at bottom, *add* 'G. BOTAMPOTANA, Bed.—C. I., 156, f. 1.'

Page 29, *add* 'GLESSULA ISIS, Hanley—Kottyam hills—C. I., 155, f. 5.'

Page 30, *below* 'G. SATTARAENSIS, H. Adams,' *add* 'G. *fusca*, H. Adams (not Pfeiffer)—P. Z. S., 1868.'

„ *add* 'G. SENATOR, Hanley—Kottyam hills—C. I., 155, f. 4.'

„ *below* 'ZUA' *add* 'GEOSTILBIA, Crosse.
G. balanus, B.' (as Glessula, *vide* page 28).
And here place 'COILOSTELE,' *from page* 34.

Page 31, *add* 'SUCCINEA PUTRIS, L.—Kashmir.'

Page 32, at bottom, *add* 'E. SCULPTA, Bl.—Pulney hills—C. I., 160, f. 1.'

Page 34, *add* 'L. AURICULARIA, L.—Kashmir.
L. BREVICAUDA, Sar.—Kashmir—C. I., 158, f. 7.
L. MARGINATA, Mich.—Shan States.'

„ *below* 'RUPESCENS' *add* '*rubiginosa*, Mich.'

Page 35, „ '*Coromandelianus*' *add* '*Merguiensis*, Phil.—C. I., 151, f. 5, 6.'

Page 36, *after* '*balteatus*' *add* '*serratizona*, Thorp—C. I., 144, 7.'

„ „ 'NILGIRICUS' *add* 'C. OPHIS, Han.—Tenasserim—C. I., 144, 6.'

„ „ 'C. PERNOBILIS' *add* 'C. PHAYREI, Theob.—Martaban—C. I., 144, 3, 4.'

„ „ 'C. SPECIOSUS' *add* '*Theobaldianus*.—C. I., 144, 2. Not Benson.'

Page 37, „ 'RAVIDUM' *add* 'M. SHIPLAYI, Pf.—C. I., 143, 7, 10;'
and 'M. SUBPLICATULUS, Bed.—C. I., 145, 5, 7.'

„ *before* 'CRASPIDOTROPIS' *insert* 'MICRAULAX, Theobald. M. asper, Theob. Genus novum *Myxostomati* proximum sed fossâ tenui, circum umbilicari obsolete notatum.'

The type is from Travankor, and would seem to be related to cœloconus on the one hand, and the more planorbular cyclophoroids (myxostoma) on the other.

Page 37, *add* 'CRASPIDOTROPIS FIMBRIATA, God. Aust.—J. A. S., 1875, part ii. p. 7, pl. 4, f. 1.'

To 'CRASPIDOTROPIS' must also be added 'C. SALEMENSIS, Bed.,' and perhaps 'C. BILIRATUS, Bed.;' though Hanley says this last is synonymous with JERDONIA PHAYREI, Theob. (*vide* P. Z. S., 1875, p. 453; and C. I. Systematic List, p. xiii.).

Page 38, *before* 'WYNAADENSE' *insert* 'C. VITREUM, Bed.—C. I., 145, 9.' Also Col. Beddome's new species (P. Z. S., 1875, p. 442): 'ALBUM, Bed.—Salem, Dindigul, and Ceylon? ATROSETOSUM, Bed.—South Kanara and Anamallays. BLANFORDI, Bed.—Tinnevelly. ANAMALLAYANUM, Bed.—Anamallay and Pulney hills. ELATUM, Bed.—Golkondah hills. LATILABRE, Bed.—South Kanara ghâts. NITIDUM, Bed.—Anamallays and South Kanara ghâts. OVATUM, Bed.—Yellagherry hills. SIVAGHERRIANUM, Bed.—Sivagherry mountains. SETICINCTUM, Bed. SHEVROYANUM, Bed.—Shevroys and Yellagherry hills. TRAVANKORICUM, Bed.—Travankor hills.' Col. Beddome in this Paper unites all these under CYATHOPOMA, including therein JERDONIA and MYCHOPOMA, an arrangement I cannot follow.

Page 40, *add* 'A. SCULPTURUS, God. Aust.—Munipur—J. A. S., 1875, pt. ii. p. 8, pl. 4, f. 2.'

Page 41, *after* 'C. KALKADENSIS' *add* 'C. LEUCOCHEILUS, Adams and Reeve—C. I., 146, 1.'

Page 42, *add* 'DIPLOMMATINA KANARICA, Bed.;' *and* 'D. MINIMA, Bed.—Gudam hills—P. Z. S., 1875, p. 442.'

Page 43, „ 'NICIDA ANAMALLAYANA, Bed.; N. PEDRONIS, Bed.—Pedrotalle, Ceylon;'
and 'N. SUBOVATA, Bed.—South Kanara ghâts.' Col. Beddome also gives loc. cit. a N. CEYLONICA, Bed.; but I don't know if this is the same as the shell so named by Mr. H. Nevill.

Page 43, *add* 'OPISTHOSTOMA DECCANENSE, Bed.—Nullay Mullay and Sivagherry hills—P. Z. S., 1875, p. 444.'

„ „ 'OPISTHOSTOMA DISTORTUM, Bed.—Golkondah hills (l. c.).'

Page 45, „ 'C. IRAVADICA, W. Bl.—C. I., 155, f. 7 (= pisum).'

Page 46, *for* 'JENKINSONIANUS' *read* 'JENKINSIANUS—C. I., 146, f. 1.'

Page 47, *transfer* 'U. RUGOSUS' *to* CŒRULEUS group, p. 48, *g* [2].

Page 48, *below* 'MANDELAYENSIS' *add* 'U. VULCANUS, Hanley—C. I., 155, f. 3 (Mandelay). A species very close to U. BURMANUS, W. Bl.'

PREFACE.

My object in publishing the present Catalogue—under circumstances hereafter explained—is, firstly, to meet a want, which at present exists, of a table wherein is comprised at a glance the names and distribution of the Land Shells of India, without the labour of hunting up the original descriptions of each species through a variety of journals and other publications; and, secondly, to revise to the best of my ability the localities of the different species, which have occasionally been incorrectly given, even (I regret to say)* in the "Conchologia Indica." Whilst, therefore, there is not much that is new in this Catalogue, there is much in it which, I trust, will be found useful to the students of Indian Conchology; but its main use will be as a basis whereon future observations, both in the shape of additions and corrections, may be made.

The difficult question of synonyms has been meddled with as little as possible. A few synonyms, properly so called, are given; but names of species, which in reality are merely local races of the same species, are, in most instances, retained, from the assistance this recognition of them gives in studying the range and variation of a species, and partly from the difficulty and confusion which would result from the wholesale decimation of currently accepted species merely from an abstract theory of their ancestral relationship. The technical correctness of such a process I fully admit; and, as an illustration of it, have followed Mr. H. Blanford in relegating to the limbo of synonyms† the waggon load of species manufactured by Reeve, Benson, Layard, Dohrn and others, out of Tanalia aculeata, and two or three species of Paludomus; but in a case like this I think it is clear that, whilst admitting the close relationship of such species, there would be grave inconvenience by absolutely abandoning them; and in the no less perplexing genus Unio I have preferred grouping the allies of a marked or

* A very florid example of the ignorance of Indian Geography displayed by English writers occurs in the letter-press of Plate CXXXIII., where a shell is stated to occur in the "*Sikkim branch of the Sylhet.*" Now there are no such rivers known, and the *Sikkim* and *Sylhet districts* are situated one in the Himalayas, the other at the base of the Khasi hills, and are severed by the whole valley of the Brahmaputra. This is just as ridiculous as though a French novelist should describe some scene of rustic merry-making as taking place on the banks of the *Yorkshire branch of the Devonshire.*

† It is mainly to my friends Mr. W. T. Blanford and Mr. H. F. Blanford that I am indebted for my knowledge of the distribution of the shells of Southern India.

radical species round it, and leaving less closely allied forms to be similarly dealt with as missing links get discovered at some future time.

In the general arrangement of this Catalogue I have consulted mainly the works of Pfeiffer, Adams, Reeve, Sowerby, the "Palæontologia Indica" (Cretaceous Gasteropoda), Stoliczka, and especially the papers on Indian Malacology by Dr. Stoliczka and W. T. Blanford; and last, but not least, I must acknowledge my indebtedness to G. Nevill, Esq., Asst. Curator of the Indian Museum at Calcutta.

In the references given, C. I. stands for "Conchologia Indica," by Mr. Hanley and myself; C. Icon., for "Conchologia Iconica," by Reeve; J. A. S., for the "Journal of the Asiatic Society of Bengal;" P. Z. S., for "Proceedings of the Zoological Society of London;" and A. J. C., for "The American Journal of Conchology."

Finally, I invite communications from brother naturalists in India and elsewhere, not only as regards new species, or species through inadvertence omitted in the present compilation, but also in correction of any erroneous localities, or additional information bearing on the distribution of species; which friendly aid I trust to acknowledge and embody at some future time in the form of a brief appendix to the present publication.

In the Synopsis, the first column gives the genus, and the second an Indian example of it as a type; but from many of the animals being at present unknown, a great number of shells are of necessity referred provisionally only to their respective genera, especially those pertaining to the two important families *Helicidæ* and *Zonitidæ*.

W. THEOBALD.

Bembridge, Isle of Wight,
August 1876.

CATALOGUE

OF THE

LAND AND FRESH-WATER SHELLS

OF

BRITISH INDIA.

—:o:—

SYNOPSIS OF GENERA.

Class. GASTEROPODA.

Family. Cerithiidæ.

Brotia, H. Adams ... ... B. pagodula, Gould.

Family. Melaniidæ.

Sub-Family. Paludominæ.

Paludomus, Swainson ... ... P. conica, Gray.
Philopotamis, Layard ... ... P. sulcata, Reeve.
Tanalia, Gray ... ... T. aculeata, Gmel.

Sub-Family. Melaniinæ.

Melania, Lamarck ... ... M. scabra, Müll.

Family. Littorinidæ.

Sub-Family. Lacuninæ.

Lithoglyphus, Mühlfeldt ... ... L. Martabanensis, Theob.

Sub-Family. Littorininæ.

Cremnoconchus, W. Blanford ... ... C. Syhadrensis, W. Bl.
Valvata, O. F. Müller ... ... V. piscinalis.

Family. Ampullaridæ.

Ampullaria, Lamarck ... ... A. globosa, Swain.

Family. Viviparidæ.

Vivipara, Lamarck ... ... V. Bengalensis Law.
Larina, H. Adams ... ... L. Burmana, W. Bl.

	Family. **Rissoidæ.**	
	Sub-Family. Bithyniinæ.	
Bithynia, Leach ...	... ...	B. marginata, Lam.
	Sub-Family. Hydrobiinæ.	
Stenothyra, Benson ...	... ...	S. deltæ, B.
Tricula, Benson ...	... ...	T. montana, B.
	Sub-Family. Pomatiopsinæ.	
Assiminea, Leach ...	... ...	A. Francesiæ, Gray.
	Sub-Family. Acmellinæ.	
Acmella, W. Blanford	... ...	A. hyalina, Theob. et. Stol.
	Sub-Family. Truncatellinæ.	
Truncatella, Risso ...	... ...	T. Ceylonica, Pfr.
	Sub-Family. Rissoinæ.	
Fairbankia, W. Blanford	... ...	F. Bombayana, W. Bl.
Iravadia, W. Blanford...	... ...	I. ornata, W. Bl.
	Family. **Neritidæ.**	
Neritina, Lamarck ...	... ...	N. retifera, B.
	Family. **Tecturidæ.**	
Tectura, Audoin et Milne-Edwardes	...	T. fluviatilis, W. Bl.
	Family. **Zonitidæ.**	
Paraphanta, Albers ...	... ...	P. ampulla, B.
Sophina, Benson ...	... ...	S. forabilis, B.
Hyalina, Gray	... ...	H. fulva, Drap.
Macrochlamys, Benson.	Section *a.* ...	M. cycloidea, Alb.
	„ *b.* ...	M. lecythis, B.
	„ *c.* ...	M. climacterica, B.
	„ *d.* ...	M. cassidula, B.
	„ *e.* ...	M. molecula, B.
	„ *f.* ...	H. bistrialis, Beck.
Sitala, H. Adams ...	... ...	S. attegia, B.
Kaliella, W. Blanford.	Section *a.* ...	K. Barakpurensis, Pf.
	„ *b.* ...	K. bascunda, B.
Sesara, Albers	Section *a.* ...	S. Ataranensis, Theob.
	„ *b.* ...	S. Basseinensis, W. Bl.
Rotula, Albers.	Section *a.* ...	R. anceps, Gould.
	„ *b.* ...	R. acris B.
Hemiplecta, Albers.	Section *a.* ...	H. Tranquebarica, Fabr.

XESTA, Albers.	Section *a.* ...	X. Juliana Gray.
	„ *b.* ...	X. oxytes, B.
	„ *c.* ...	X. retrorsa, Gould.
RHYSOTA, Albers ...	... ...	R. Haughtoni, B.
ARIOPHANTA, Desmoulins	... ...	A. bajadera, Pf.
TROCHOMORPHA, Albers	... ...	T. castra, B.
HELICARION, Ferussac.	Section *a.* ...	H. Theobaldi, God. Aust.
	„ *b.* ...	H. gigas, B.
	„ *c.* ...	H. heteroconcha, W. Bl.
	„ *d.* ...	H. Flemingii, Pf.
	„ *e.* ...	H. præstans, Gould.

FAMILY. **Helicidæ.**

Sub-Family. VITRININÆ.

HELICOLIMAX, Ferussac	... ...	H. Ataranensis, Theob.

Sub-Family. HELICINÆ.

CORILLA, H. et A. Adams	... ...	C. Rivolii, Ben.
PLECTOPYLIS, Benson ...	... ...	P. achatina, Gray.
ACAVUS, Montfort ...	... ...	A. hæmastoma, L.
GANESELLA, W. Blanford	... ...	G. capitium, B.
FRUTICICOLA, Heldreth	... ...	F. rotatoria v. d., Buseh.
TRACHIA, Albers ...	... ...	T. delibrata, B.
THYSONOTA, Albers ...	... ...	T. Guerini, Pf.
VALLONIA, Risso ...	... ...	V. pulchella Müll.
GEOTROCHUS v. Hasselt	... ...	G. albizonatus Reeve.

Sub-Family. BULIMINÆ.

AMPHIDROMUS, Albers	... ...	A. contrarius Mull.
CERASTUS, Albers ...	... ...	C. Ahyssinicus Rüpp.
RACHIS, Albers ...	... ...	R. Bengalensis, B.
PERONÆUS, Albers ...	... ...	P. Niligiricus, B.
NAPÆUS, Albers ...	... ...	N. candelaris, Pf.
HAPALUS, Albers ...	... ...	H. Sikkimensis, B.

Sub-Family. PUPINÆ.

CYLINDRUS, Fitzinger ...	... ...	C. insularis, Ehr.

PUPA, Draparnaud.

Section	Pupilla, Leach	P. muscorum, L.
„	Scopelophila, Albers ...	S. plicidens, B.
„	Pupisoma, Stoliczka ...	P. orcula, B.
BOYSIA, Pfeiffer ...	... ...	B. Bensoni, Pf.
HYPSELOSTOMA, Benson	... ...	H. tubiferum, B.

Sub-Family. SUCCININÆ.

SUCCINEA, Draparnaud ... ... S. daucina, Pf.

LITHOTIS, W. Blanford ... ... L. rupicola, W. Bl.

Sub-Family. CLAUSILIINÆ.

CLAUSILIA, Draparnaud... ... ...

Section *a.* ... ... C. cylindrica, Gray.

„ *b.* ... ... C. ios, B.

„ *c.* Phædusa,—H. et A. Adams C. loxostoma, B.

„ *d.* Oospira, W. Blanford ... C. bulbus, B.

„ *e.* ... ... C. tuba Hanley.

Sub-Family. STREPTAXINÆ.

ENNEA, H. et A. Adams... ... ... E. bicolor Hutton.

HUTTONELLA, Stoliczka... ... ... H. cylindrelloïdea Stol.

STREPTAXIS, Gray ... ... S. Petiti Gould.

FAMILY. Oleacinidæ.

OPEAS, Albers ... ... O. gracilis, Hutton.

SUBULINA, Beck ... ... S. obtusa, W. Blanford.

GLESSULA, Albers ... ... G. nitens, Gray.

ZUA, Leach ... ... Z. lubrica, Müll.

GEOSTILBIA, Crosse ... ... G. balanus, B.

COILOSTELE, Benson ... ... C. scalaris, B.

FAMILY. Veronicellidæ.

VERONICELLA, Blainville ... ... V. Birmanorum Theob.

FAMILY. Onchidiidæ.

ONCHIDIUM, Buchanan Hamilton ... ... O. typhæ Buch. Ham.

ORDER. LIMNOPHILA.

FAMILY. Auriculidæ.

Sub-Family. AURICULINÆ.

CARYCHIUM, Müller ... ... C. Indicum, B.

Sub-Family. OTININÆ.

CAMPTONYX, Benson ... ... C. Theobaldi, B.

FAMILY. Limnæidæ.

Sub-Family. LIMNÆINÆ.

LIMNÆA, Lamarck ... ... L. chlamys, B.

CAMPTOCERAS, Benson ... ... C. terebra, B.

Sub-Family. PLANORBINÆ.

PLANORBIS, Guettard ... ... P. compressus, B.

Sub-Family. ANCYLINÆ.

ANCYLUS, Geoffroy ... ... A. verruca, B.

ORDER. ECTOPHTHALMA.

FAMILY. **Cyclostomidæ.**

CYLOTOPSIS, W. Blanford	C. semistriatus, Sow.
OTOPOMA, Gray	O. Hinduorum, W. Bl.

Sub-Family. REALIINÆ.

OMPHALOTROPIS, Pfeiffer	O. distermina, B.

FAMILY. **Cyclophoridæ.**

Sub-Family. CYCLOPHORINÆ.

CYCLOPHORUS, Montfort	C. pernobilis, Gould.
MYXOSTOMA, Troschel	M. calyx, B.
LEPTOPOMA, Pfeiffer	L. aspirans, B.
LAGOCHEILUS, Theobald	L. scissimargo, B.
MICRAULAX, Theobald	M. asper, Th.
CRASPIDOTROPIS, W. Blanford	C. cuspidatus, B.
DITROPIS, W. Blanford...	D. planorbis, W. Bl.
AULOPOMA, Troschel	A. Itieri, Guer.
RHIOSTOMA, Benson	R. Haughtoni, B.
PTEROCYCLOS, Benson	P. rupestris, B.
SPIRACULUM, Pearson	S. hispidum, Pear.
CYCLOTUS, Guilding	C.
CYATHOPOMA, W. Blanford	C. filocinctum, B.
MYCHOPOMA, W. Blanford	M. limbiferum, B.
JERDONIA, W. Blanford	J. trochlea, B.

Sub-Family. ALYCÆINÆ.

ALYCÆUS, Gray	A. strangulatus, Hutt.

Sub-Family. PUPININÆ.

STREPTAULUS, Benson	S. Blanfordi, B.
RAPHAULUS, Pfeiffer	R. chrysalis, Pf.
HYBOCYSTIS, Benson	H. gravida, B.
PUPINA, Vignard	P. imbricifera, B.
MEGALOMASTOMA, Guilding	M. funiculatum, B.
CATAULUS, Pfeiffer	C. pyramidatus, Pf.

Sub-Family. POMATIASINÆ.

POMATIAS, Studer	P. pleurophorus, B.

FAMILY. **Diplommatinidæ.**

DIPLOMMATINA, Benson	D. pachycheilus, B.
NICIDA, W. Blanford	N. liricincta, W. Bl.
PALAINA, Semper	P. crispata, Stol.
CLOSTOPHIS, Benson	C. Sankeyi, B.
OPISTHOSTOMA, W. and H. Blanford	O. Niligiricum, W. and H. Bl.

Family. **Helicinidæ.**

Sub-Family. Helicininæ.

Helicina, Lamarck ... ... H. Andamanica, B.

Sub-Family. Hydrocenininæ.

Hydrocena, Parreyss ... ... H. frustrillum, B.

Class. PELECYPODA.

Order. Pholadacea.

Family. **Pholadidæ.**

Martesia, Leach ... ... M. fluminalis, W. Bl.

Sub-Family. Teredininæ.

Nausitora, P. Wright... ... ... N. Dunlopei, P. W.

Family. **Solenidæ.**

Novaculina, Benson ... ... N. Gangetica, B.

Order. Veneracea.

Family. **Glauconomyidæ.**

Tanysiphon, Benson ... ... T. rivalis, B.

Family. **Cyrenidæ.**

Velcrita, Gray... ... ... V. Cochinensis Hanley.

Corbicula, Megerle von Mühlfeldt. ... ... C. Kashmirensis, Desh.

Sphærium, Scopoli ... ... S. Indicum, Desh.

Pisidium, C. Pfeiffer ... ... P. Clarkeanum, Nev.

Order. Lucinacea.

Family. **Unionidæ.**

Sub-Family. Unioninæ.

Unio, Philipsson. Section *a.* ... U. marginalis, Lam.

„ *b.* ... U. corrugatus, Müll.

„ *c.* ... U. cœruleus, Lea.

„ *d.* ... U. crispisulcatus, B.

„ *e.* ... U. olivarius, B.

„ *f.* ... U. pugio, B.

„ *g.* ... U. foliaceus, Gould.

Monocondylæa, D'Orbigny ... ... M. Salweniana, Gould.

Anodonta, Bruguiere ... ... A.

Solenaia, Conrad ... ... S. soleniformis, B.

Family. **Mytilidæ.**

Modiola, Lamarck ... ... M. emarginata, B.

Order. Pectinacea.

Family. **Arcidæ.**

Scaphula, Benson ... ... S. celox, B.

Class. GASTEROPODA.

Family. Cerithiidæ.

Brotia, *H. Adams.*

B. pagodula, Gould — Thoungyin R., an affluent of the Salwin.
P. Z. S., Mar. 1866; Proc. Boston S. N. H., 1847 (as Melania).

Family. Melaniidæ.

Sub-Family. Paludominæ.

Paludomus, *Swainson.*

(See Brot's Catalogue of Melaniidæ, and Trans., Lin. Soc., vol. xxiv, p. 165.)

P. baccula, Reeve — Ganges — P. Z. S., 1852, p. 128; C. I., 124, f 10.

P. chilinoides, Reeve — Ceylon, Kandy, Ballepane, and Southern Provinces.
Conch. Icon., pl. ii, 7a; pl. iii, 7 b, c.
constricta, Reeve — Kadaganava Pass — P. Z. S., 1852, p. 129 and 1854, p. 90; C. I., 126, f 1; C. I., 123, f 2.
phasianina, Reeve — P. Z. S., 1852, p. 127.
lævis, Layard, not Reeve — Heneratgodde and Anarajpura.
P. Z. S., 1854, p. 89; C. I., 108, 3.
Zeylanica, Lea. — P. Z. S., 1850, p. 194.
monile, Thorpe Mss. — Southern India — C. I., 108, p. 10.
fulgurata, Dohrn — P. Z. S., 1857, p. 123; C. I., 123, f 1.
nasuta, Dohrn — P. Z. S., 1857, p. 123; C.I., 124, f 7.

P. cincta, Gould — Feeders and headwaters of Tenasserim river — Otia Conch., p. 199.
Amnicola cincta, Gould.

P. conica, Gray — Teria Ghât and Khasi Hills, Assam, Sikkim.
Griffith's Cuvier, pl. xiv, f 5; Conch. Icon., pl. iii, f 14 c.; C. I., 124, f 4.

P. labiosa, B. — Tenasserim river.
An. & Mag., N. H., 1856, p. 495; C. I., 108, 9.

P. maura, Reeve — Ganges — P. Z. S., 1852, p. 127; C. I., 124, f 2, 3.

P. obesa, Phil. — Western Ghâts — C. I., 126, f 7, 10.

P. ornata, B. — Pegu — An. & Mag., N. H., 1856, p. 496.

P. paludinoides, Reeve — North-Eastern India.
An. & Mag., N. H., 1856, p. 495; P. Z. S., 1852, p. 127; C. I., 123, f 9.

P. pyriformis, Dohrn — C. I., 125, f 2, 3.

P. regulata, B. — Pegu — An. & Mag., N. H., 1856, p. 496; C. I., 108, 5, 6.

P. rotunda, W. Bl. — Travankor.
J. A. S., B., 1870, Part 2, p. 10, pl. iii, f 2; C. I., 108, 2.

P. reticulata, W. Bl. — Kachar.
J. A. S., B., 1870, Part 2, p. 9, pl. iii, f 1; C. I., 108, 4.

P. stephanus, B. — Teria Ghât and Khasi Hills.
J. A. S., 1836, p. 747; Conch. Icon., pl. ii, f 11; C. I., 122, f 10.

P. tanjoriensis (*Tanschauriensis*) Gmel — Ceylon (Northern Provinces), Southern India, Bengal, and Kashmir — C. I., 123, f 8.
acuta, Reeve — Pondicherry — P. Z. S., 1852, p. 127; C. I., 123, f 7.
spiralis, Reeve — Conch. Icon., pl. iii, f 15.

maculata, Lea — Obs., vol. xi, p. 74.
spurca, Soul. — Voy de le Bonite Moll., pl. xxxi, f 28.
lutosa, Soul. — Hugli river, below Calcutta.
Benson, An. & Mag., N. H., 1856, p. 494; C. I., 123, f 6.
parva, Dohrn.
palustris, Layard — Anarajpura — P. Z. S., 1854, p. 89; C. I., 126, f 2, 3.
obesa, Layard.

PHILOPOTAMIS, *Layard.*

P. DECUSSATA, Reeve — Ceylon — P. Z. S., 1852, p. 127; C. I., 123, f 3.
P. GLOBULOSA, Gray — Kandy, Ambegammoa, Balcadua Pass.
Conch. Icon., pl. i, f 4; C. I., 123, f 5.
abbreviata, Reeve — P. Z. S., 1852, p. 127.
bicincta, Reeve — Balcadua Pass.
P. Z. S., 1852, p. 129, and 1854, p. 90; C. I., 123, f 10.
clavata, Reeve — P Z. S., 1852, p. 129; C. I., 123, f 4.
P. NIGRICANS, Reeve — Huckgalle, Adam's Peak, Newera- Ellia, 6,000, 7,000.
Conch. Icon., pl. ii, f 6; C. I., 124, f 1.
P. REGALIS, Layard — Stream in the Coria Corle.
P. Z. S., 1854, p. 93; C.I., 121, f 10.
P. SULCATA, Reeve — Kandy, Avisavella, and Weyweldenia.
P. Z. S., 1854, p. 93; Conch. Icon., pl. ii, f 8; C. I., 122, f 2.

TANALIA, *Gray.*

T. ACULEATA, Gmel. — Ceylon — Trans., Lin. Soc., vol. xxxiii, p. 603.
cærea, Reeve — P. Z. S., 1852, p. 128; C. I., 121, f 5.
Cumingiana, Dohrn — P. Z. S., *1857, p. 124; C. I., 126, f 5, 6.*
dilatata, Reeve — Rambodde Pass.
P. Z. S., 1852, p. 128, and *1854, p. 91; C. I., 125, f 5, 6.*
distinguenda, Dohrn — P. Z. S., *1857, p. 124; C. I., 122, f 3.*
dromedaria, Dohrn — P. Z. S., *1857,* p. 124; *C. I., 122, f 9.*
erinacea, Reeve — P. Z. S., 1852, p. 128; C. I., 121, f 1.
funiculata, Reeve — Conch. Icon., pl. iii, f 13; C. I., 125, f 1.
Gardneri, Reeve — Calloo Ganga, Ratnapura.
Conch. Icon., pl. ii, f 9; C. I., 122, f 6.
Hanleyi, Dohrn — P. Z. S., 1858, p. 535; C. I., 125, f 10.
loricata, Reeve — Conch. Icon., pl. i, f 1; C. I., 121, f 2.
Layardi, Reeve — P. Z. S., 1852, p. 128; C. I., 121, f 6.
melanostoma, Thorpe Mss. — Ceylon — C. I., 721, f 8, 9.
neritoides, Reeve — Conch. Icon., pl. i, f 3; C. I., 122, f 8.
nodulosa, Dohrn — P. Z. S., 1857, p. 125; C. I., 126, f 8, 9.
picta, Reeve — Conch. Icon., pl. ii, f 10; C. I., 122, f 7.
Reevei, Layard — Callooganga, Ratnapura.
P. Z. S., 1854, p. 92; C. I., 121, f 7, and 124, f 5.
rudis, Reeve — P. Z. S., 1852, p. 126.
similis, Layard — Kandagamooa near Ratnapura.
P. Z. S., 1854, p. 92; C. I., 122, f 1.

Skinneri, Dohrn — P. Z. S., 1857, p. 124; C. I., 121, f 4.
solida, Dohrn — P. Z. S., 1857, p. 124; C. I., 122, f 4.
sphærica, Dohrn — P. Z. S., 1857, p. 124; C. I., 124, f 8.
Swainsoni, Dohrn — P. Z. S., 1857, p. 125; C. I., 124, f 6.
Tennentii, Reeve — Conch. Icon., pl. iii, f 12.
P. Z. S., 1854, p. 92; C. I., 122, f 5.
Thwaitesii, Layard — C. I., 125, f 8, 9.
torrenticola, Dohrn — P. Z. S., 1858, p. 536; C. I., 124, 9.
undata, Reeve — Conch. Icon., pl. i, f 2 — C. I., 121, f 3.

T. STOMATODON, B. — Cottyam, Travankor.
An. & Mag., N. H., 1862, p. 414; C. I., 108, 1.

T. VIOLACEA, Layard — Ceylon between Gillymalle and Pallabaddoola.
P. Z. S., 1854, p. 92.

Mr. H. F. Blanford has pointed out that the genus *Ganga*, Gray, is founded on certain forms of *Tanalia* possessing *monstrous* opercula or *secondary* ones formed subsequently to the loss of the original ones. The genus *Rivulina*, Gray, embraces *Palud Zeylanica*, Lea, and *P modicella*, Lea.

Sub-Family. MELANIINÆ.

MELANIA, *Lamarck.*

(For synonymy, see Brot's Catalogue of recent species of Melaniidæ — A. J. C., 1870.

M. ADSPERSA, Tros — *Ganges* — Phil. N. C., pl. v, f 6.
flammigera, Dunker — Phil. N. C., pl. iii, f 11.

M. ARMILLATA, Lea — P. Z. S., 1850, p. 195.

M. BACCATA, Gould — Thoungyin R., the Yoanzalin district, and Shan States.
C. I., 75 1, 2, 3, 4.

M. BALTEATA, Reeve — Pegu — Reeve Conch. Icon., pl. xx, f 144; C. I., 72, 3.

M. BATANA, Gould — Tenasserim, R. — C. I., 74, 8, 9.

M. BROTI, Dohrn — Ceylon — C. I., 71, 2, 3.

M. CORRUGATA, Lam. — Tavoy — Chem. Ill., Con., pl. ii, f 18 (not Reeve).

M. CINCTA, Lea — An. & Mag., N. H., 1852, p. 62, Reeve; C. Icon., P. Z. S., 1850, p. 183. (I doubt if this species is Indian).

M. CARNATICA, B.

M. CRENULATA, Desh — Chem. 135, f 1230.

N. Tirouri, Fer. — Kaddalor, Southern India — C. I., 74, 5, 6.

M. confusa, Dohrn — Ceylon — C. I., 72, 4.

M. DATURA, Dohrn — Ceylon — C. I., 73, 10.

M. EPISCOPALIS, Lea — Khasi hills and North Kachar (an variabilis var?) — C. I., 72, 7.
spinata, God. Aust — Kopili R.—P. Z. S., 1872, 514 (see variabilis) — C. I., 75, 5, 7.
Hanleyi, God. Aust. — Dijung R.—P. Z. S., 1872, 574; C. I., 110, 5.

M. FLUCTUOSA, Gould — Newville, Tavoy—Proc. Bost., S. N. H., 1847.

M. FUSCATA, Born. — Pannaar R., Kuddalor — C. I., 109, 4.

M. GEMMULATA, Reeve — Conch. Icon., 86.
pyramis, v. d. Busch, not Benson — Phil. N. C., pl. iv, f 16, Brot. Cat. Mel., p. 52.

M. gloriosa, Anthony — Pegu, in hill streams (vide variabilis) — C. I., 72, 1, 2

M. HAINESIANA, Lea — Pegu — Lea Obs., vol. xi, p. 78.

M. HUMEROSA, Gould — Manko, Tavoy—Proc. Bost, S. N. H., 1847.

M. Herculea, Gould — Tavoy (vide M. variabilis) — C. I., 72, 5.
M. HUGELII, Phil. — Upper Cauvery, Mysor, Southern India — C. I., 71, 5, 6.
M. JUGICOSTIS, B. Mss. — Tenasserim R. — C. I., 110, 8, 9.
M. IRAVADICA, W. Bl. — Bhamo on the Irawadi — C. I., 71, 1.
M. LINEATA, Gray — Bengal, Pegu, Tenasserim — C. I., 71, 7.
lirata B.
M. PEGUENSIS, Anthony — Pegu — C. I., 72, 6.
M. PRÆMORDICA, Tryon. — Thoungyin R., Martaban or Tavoy.
Amer. Journ. Conch., vol. ii, 1866, p. 111, pl. x, f 3.
M. RIQUETI, Grat. — Quilon, Travankor, Kochin — C. I., 71, 10.
M. REEVEI, Brot — Pegu—Brot Cat. Mel., p. 46 ; C. I., 72, 3.?
balteata, Reeve?
M. SCABRA, Müll. — India passim, Ceylon, Pegu, Bhamo — C. I., 73, 1, 2, 3, 4, 5, 6, 7.
elegans, B. — J. A. S., B., 1836, p. 782 ; type-C. I., 73, f 6.
spinulosa, Lam. — Voy, Astrol., pl. lvi, f 12-14; Mouss. Moll. Jav., pl. xi, f 11; C. I., 110, 7.
M. THIARELLA, Lam. — Tavoy — Schr. Fluss. Con., pl. ix, f 12 (non-Reeve).
M. TORQUATA, V. d Busch.
M. terebra, B. — Sylhet — C. I., 71, 8, 9.
M. TIGRINA, Hutton — Afghanistan and N. W. Himalayas — C. I., 110, 1, 2.
M. TUBERCULATA, Müll. — India passim, Ceylon, Pegu, Bhamo — C. I., 74, 1, 2, 3, 4.
pyramis, B. — C. I., 110, 3, 4.
Layardi, Dohrn — Ceylon—P. Z. S., 1858, p. 135 ; C. I., 73, 8, 9.
M. VARIABILIS, B. — India passim, Pegu—J. A. S. 1835 ; Reeve C. Icon., pl. iii, f 10.
Var — Sylhet, Hlowa R., Arakan hill (very fine) — C. I., 75, 6.
Var — Purneah, Pegu, Kush-Behar (quite smooth) — C. I., 109, 2.
Var — Bengal and R. Gumti — C. I., 72, 5.
Var — Assam — C. I., 109, 3.
Var — Bengal — C. I., 109, 6.
Herculea, Gould — Tavoy — C. I., 109, 7.
gloriosa, An. — Pegu hill streams — C. I., 72, 1, 2.
spinata, God. Aust. — Kopili R., North Kachar.
P. Z. S., 1872, pl. xxx, f 1 ; C. I. 109, 1.
Hanleyi, God. Aust., non Brot — Diyung R., North Kachar.
P. Z. S., 1872, pl. xxx, f 2.
corrugata (Lam.) Reeve — Conch. Icon., f 10 a, b, not Lamarck.
Menkiana, Lea (olim plicata) — Teria Ghat.
Lea Obs. Gen. Unio, vol. ii, p. 20, pl. xxiii, f 95; & vol. iv, p. 24.
M. zonata, B. — Sylhet — C. I., 71, 4.

FAMILY. **Littorinidæ.**
Sub-Family. LACUNINÆ.
LITHOGLYPHUS, *Mühlfeldt.*

L. MARTABANENSIS, Theob. — Martaban district — C. I., 81, 10.

Sub-Family. LITTORININÆ.
CREMNOCONCHUS, *W. T. Blanford.*

C. SYHADRENSIS, W. Bl. — Khandalla, Matheran, Egutpura.
An & Mag., N. H., Sept. 1868, and *id.*, May, 1869.

C. CONICUS, W. Bl. — Torna hill, near Punah.
J. A. S. B., 1870, p. 10; Stoliczka, Proc. A. S., B., for May 1871 (Anatomy).
Var canaliculatus, W. Bl. — Torna hill.
C. carinatus, Layard — (as anculotus) Mahabaleshwar, Western Ghats.
P. Z. S., 1854, 94; J. A. S., 1870, pl. iii, f 5.

FAMILY. Valvatidæ.

VALVATA, *O. F. Müller.*

V. n. s (near minuta Drap) — Port Canning, near Calcutta (invenit F. Stoliczka).
V. PISCINALIS — Kashmir. Tibet — P. Z. S., 1856, p. 186.

FAMILY. Ampullaridæ.

AMPULLARIA, *Lamarck.*

A. CARINATA, Swain. (not Lam.) — Ceylon — C. I., 114, f 1.
A. CINEREA, Reeve — Ceylon — C. I., 113, f 1.
A. CINGALENSIS, Dohrn — Ceylon.
A. CORRUGATA, Swain. — Bengal, Pondicherry — C. I. 113, f 2.
A. GLOBOSA, Swain. — Bengal, Orissa, Rohilkand — C. I., 113, f 3, 4, 5.
A. HÆMASTOMA, Layard.
A. LAYARDI, Reeve — Ceylon — C. I, 114, f 4.
A. LINNÆI, Pfr. — Bombay.
A. MALABARICA, Phil. — Kochin, Malabar, Bombay — C. I., 114, f 2.
A. MŒSTA, Reeve — C. I., 115, f 6.
A. NUX, Reeve — Western Ghats — C. I., 115, f 1.
A. PALUDINOIDES, Phil. — Pegu, Martaban — C. I., 114, f 5, 6, 7.
A. SAXEA, Reeve — Pegu — C. I., 115, f 3, 4.
A. SPECIOSA.
canaliculata, Reeve.
A. SUMATENSIS, Phil. — Ceylon.
A. THEOBALDI, Hanley — Martaban — C. I., 115, f 2.
A. TISCHBEINI, Dohrn — Ceylon — C. I., 114, f 3.
A. TUBÆFORMIS, Lea.
A. VIRENS, Lam.
A. WOODWARDI, Dohrn — Ceylon — C. I., 115, f 5.

FAMILY. Viviparidæ.

VIVIPARA, *Lamarck.*

V. BENGALENSIS, Lam. — Bengal, North-Western and Central India — C. I., 76, 8, 9, 10.
Var — gigantea v. d., Busch — Benares — C. I., 77, 5.
Var — doliaris, Gould — Tavoy — C. I., 77, 6.
Var — filosa, Hanley — Pegu — Reeve Conch. Icon., pl. vi, f 31.

Specimens of V. filosa Hanley from Pegu, identified by the author, correspond with *V. digona W. Bl.* rather than with the figure in Reeve, which represents the whorl as devoid of angulation. If this is not an omission, the species probably represents the Southern form *V. doliaris* Gould. It is curious that the figure correctly represents 5 bands, whilst the description only mentions 4.

digona, W. Bl. — Bhamo and Pegu — P. Z. S., 1869, 445.

This variety seems to represent the last in Pegu and Upper Burmah.

V. CRASSA, Hutton — Bengal, Furreedpur — C. I., 76, 2, 3.

A turrited var from Furreedpur of 33 mills much resembles the Chinese *V. æruginosa* save in its blunter apex, and is a porcellanous solid shell.

V. DISSIMILIS, Mull. — India, passim, Pegu — C. I., 77, 3, 4.

Var — Ceylanica, Dohrn — Ceylon — C. I., 77, 1, 2.

melanostoma, Reeve.

præmorsa, B.

Remossii, Phil. — C. I., 77, 8, 9.

var — hiliciformis Fraun — Pegu — C. I., 77, 7, 10.

decussatula, W. Bl. — Ava., Bhamo. — P. Z. S., 1869, 445.

V. HAINESIANA, Lea — Lea Obs., vol. xi, p. 72, pl. xxii, f 6.

Var — minor, 16 mills — Irawadi at Prome (rarissime ipse legi).

Lea's type was a shell of 33 mills, but greatly as the Irawadi shell diverges, it is, I believe, merely an impoverished variety. I have for comparison intermediate examples from Siam, which agree better with Lea's description than with his figure, which does not show the flattening and obliquity of the whorl to the extent that obtains in my smaller specimens.

V. LECYTHIS, B. — Sylhet, Upper Birmah — C. I., 76, 6, 7.

V. Shanensis Theob.

naticoides, Theob. — Shan states, Upper Salwin — C. I., 76, 1, 4.

Changed to Shanensis as *naticoides* is præoccupied by Ferussac.

V. OXYTROPIS, B. — Sylhet — C. I., 76, 5.

V. PETROSA, Gould — Tavoy — Otia Conchologica, p. 191.

V. VARIATA, Frauen — Pondicherry; Ueber die Gatt. vivipara, 1862.

LARINA, *H. Adams.*

L. BURMANA, W. Bl. — Myittaya creek, Bassein district — J. A. S. B., 1867, 61.

FAMILY. Rissoidæ.

Sub-Family. BITHYNIINÆ.

BITHYNIA, *Leach.*

B. CERAMEOPOMA, B. — Bengal — C. I., 38, 1, 4.

ceranospatana, Frauen (I see no reason for retaining as sacred, palpable copyist's errors).

GLOBULA, Lea — Calcutta — Lea Obs., &c., vol. xi, p. 75, pl. xxii, f 12.

B. INCONSPICUA, Dohrn — Ceylon — C. I., 37, 5, 6.

B. IRAVADICA, W. Bl. — Mandelay — C. I., 37, 10.

B. LUTEA, Gray — Purneah — C. I., 37, 7.

B. MARGINATA, Lam. — Ceylon, Madras — Kustir Die Gutt. Palud. Hydrocena und Valvata, pl. vii, f 18, 19;

costigera, Beck — (Palud).

B. NASSA, Theob. — Upper Salwin valley — C. I., 37, 8, 9.

B. ORCULA, B. — Purneah — C. I., 38, 8, 9.

B. PULCHELLA, B. — Bengal — C. I., 38, 5, 6.

B. STENOTHYROIDES, Dohrn — Ceylon, Nilghiri hills, Punah, Madras — C. I., 38, 7, 10.

B. TRAVANCORICA, B. — Quilon, Travankor — C. I., 38, 2, 3.

Sub-Family. HYDROBIINÆ.

STENOTHYRA, *Benson.*

S. DELTÆ, B. — Calcutta — C. I., 37, 2.
S. FOVEOLATA, B. — Sikrigulli on the Ganges — C. I., 37, 3.
S. MINIMA, Sow. — Kattiwar — C. I., 37, 1.
S. MONILIFERA, B. — Mergui, Pegu, Cochin China (J. A. S., B., 1867, 58) — C. I., 37, 4.
S. PUNCTICULATA, Gould — Tavoy, Otia Conchol., p. 201.

TRICULA, *Benson.*

T. MONTANA, B. — Bhimtal, Kamaon, Naini-tal, & North Kachar.
An. & Mag., N. H., 1862, p. 415.

Sub-Family. POMATIOPSINÆ.

ASSIMINEA, *Leach.*

A. CORNEA, Leith — Bombay — Bomb. Roy. As. Soc., vol. v., p. 145.
A. FRANCESIÆ, Gray — Calcutta, Pegu — An. & Mag., N. H., 1867, p. 77.
A. MARGINALIS, Leith — Bombay — Bomb. Roy. As. Soc., vol. v., p. 145.
A. ROTUNDATA, Fairbank — Bombay — An. & Mag., N. H., 1868.
A. RUBELLA, W. Bl. — Pegu — J. A. S., B., 1867, p. 55.
A. SUB-CONICA, Leith — Bombay — Bomb. Roy. As. Soc., vol. v., p. 145.

OMPHALOTROPIS, *Pfeiffer.*

O. AURANTIACA, Desh — Pondicherry—Belanger Voy. Zool., p. 416, t. 1, f. 16, 17.
O. DISTERMINA, B. — Andaman Islands — An. & Mag., N. H., 1863, p. 425.

Sub-Family. ACMELLINÆ.

ACMELLA, *W. Blanford.*

A. TERSA, B. — Khasi hills, Musmai — An. & Mag., N. H., 1853, p. 285.
A. HYALINA, Theob. et Stol. — Moulmein — J. A. S., B., 1872, part ii, p. 333.

Sub-Family. TRUNCATELLINÆ.

TRUNCATELLA, *Risso.*

T. CEYLANICA, Pf. — Ceylon — P. Z. S., 1856, p. 336.

Sub-Family. RISSOINÆ.

FAIRBANKIA, *W. Blanford.*

F. BOMBAYANA, W. Bl. — Bombay — An. & Mag., N. H., 1868, p. 400.
F. TURRITA, W. Bl. — Kyouk-pong, Irawadi delta — P. Z. S., 1869, p. 446.

IRAVADIA, *W. Blanford.*

I. ORNATA, W. Bl. — Irawadi delta, Bassein district — J. A. S., B., 1867, p. 56.

FAMILY. **Neritidæ.**

NERITINA, *Lamarck.*

N. ARTICULATA, Gould — Tavoy — Otia Conch., 201.
N. AURICULATA, Lam. — Ceylon — Sow. Thes. Conch., p. 508, pl. cxiii, f 127, 128.
novæ Caledoniæ, Reeve.

N. LAYARDI, Reeve — Ceylon.
rostrata, Reeve — These three species of Reeve seem but doubtfully separable from Lamarck's.

N. BENGALENSIS, Chem. — Ceylon, Pegu — Sow. Thes. Con., p. 525, pl. cix, f 30, 31.
columbaria, Recl.
Peguensis, W. Bl. — J. A. S., B., 1867, p. 58.
ruginosa, Recl.

N. CORNUCOPIÆ, B. — Calcutta, Pegu — J. A. S., vol. v, 1836, p. 748.
melanostoma, Tros. — J. A. S., 1867, part ii, p. 60, pl. xii, f 23-25.

N. CREPIDULARIA, Lam. — Calcutta, Pegu, Ceylon.
J. A. S., 1867, part ii, p. 60, pl. xii, f 20-22,

N. DUBIA, Chem. — Ceylon — Sow. Thes. Con., p. 517.

N. DEPRESSA, B. — Calcutta, Bombay, Pegu.
J. A. S., 1867, part ii, p. 60, pl. xii, f 17-19.

N. INDICA, Soul. (apud Gould) — Tavoy hill streams.

N. MAURITIÆ, Less — Ceylon (teste, G. Nevill).

N. MATONIANA, Recl. — Ceylon, Coromandel — Sow. Thes. Conch., p. 534.
Mertoniana, errore, teste G. Nevill.

N. OBTUSA, B. apud Sow. non Revee — Calcutta, Pegu.
Sow. Thes. Conch., p. 517, pl. cxi, f 72, 73.

N. PERROTETI, Petit — Nilghiri hills — Sow. Thes. Conch., p. 522, pl. cxv, f 200, 201.

N. PULLIGERA, Lam. — Andaman Islands — Sow. Thes. Conch., p. 510, pl. cxi, f 65, 66.
Knorrii, Recl. — Sow. Thes. Conch., p. 511, pl. cxi, f 78.

N. RETICULATA, Brod. — Ceylon (teste G. Nevill).
Sow. Thes. Conch., p. 516, pl. cxi, f 74.

N. RETICULARIS, Sow. — Calcutta, Pegu — Sow. Thes. Conch., p. 536, pl. cxvi, f 264, 266.
capillulata, Gould — Tavoy hill streams — (monente auctore Otia Con., p. 200).
humeralis, B. — Salwin, near Moulmein.
fuliginosa, Theob. — Ava — J. A. S., 1858, p. 315.
cryptospira, B. — Tenasserim R.
retifera, B., apud W. Bl. — J. A. S., B., 1867, 59.
Blanford is probably correct in referring "*retifera*," that is, *reticularis* Sow. to his "*Peguensis*," i.e. Bengalensis Chem.

N. RUBIDA, Pease — Andaman Islands.

N. SMITHII, Gray — Calcutta, Pegu — Sow. Thes. Conch., p. 537.
tigrina B.

N. SUBAURICULATA, Recl. — Ceylon — Sow. Thes. Conch., p. 510, pl. cxiii, f 138.
Layardi, Reeve (teste G. Nevill).

N. SPIRALIS, Reeve — Port Canning, in Sunderbans, Ceylon.

N. SIQUIJORENSIS, Recl. — Ceylon; teste G. Nevill.
Sow. Thes. Conch., p. 510, pl. cxiii, f 145, 146.

N. SERULATA, Recl. — Ceylon, teste G. Nevill.
Sow. Thes. Conch., p. 518, pl. cxiv, f 164.

N. TRISERIALIS, Sow. — Ceylon (Tenants Ceylon).
Sow. Thes. Conch., p. 521, pl. cxv, f 195, 196.

N. VARIEGATA, Less. — Ceylon (teste G. Nevill) Andamans.

NAVICELLA, *Lamarck.*

N. CLYPEOLUM, Recl. — Sow. Thes. Conch., p. 551, pl. cxviii, f 32-35.
cærulescens, Reeve — Calcutta.
orientalis, Reeve.
variablis, Recl., apud Reeve.
N. DEPRESSA, Less. — Ceylon — Sow. Thes. Conch., p. 548, pl. cxvii, f 8, 9, 10.
N. ENTRECASTAUXI, Recl. — Ceylon — Rev. Zool., 1841, p. 380.
N. LINEATA, Lam. — Calcutta — Sow. Thes. Conch., p. 550, pl. cxviii, f 21-25.
compressa, B. — J. A. S., vol. v, 1836.
N. LIVESAYI, Dohrn — Ceylon — P. Z. S., 1858, p. 135.
N. ORBICULARIS, Sow. — Andaman Islands, teste G. Nevill.
N. SQUAMATA, Dohrn — Ceylon — P. Z. S., 1858, p. 135.
N. TESSALATA, Lam. — Ceylon — Sow. Thes. Conch., 550, pl. cxviii, f 26, 28.
reticulata, Reeve — pl. cxviii, b f 48, 49.
eximia, Reeve (?)

FAMILY. **Tecturidæ.**

TECTURA, *Audoin et Milne-Edwardes.*

T. FLUVIATILIS, W. Bl. — Bassein River — J. A. S., B., 1867, 62, pl. xii, f 2, 3, 4.

FAMILY. **Zonitidæ.**

PARAPHANTA, *Albers.*

P. AMPULLA, B. — Western slopes of Nilghiri hills, Anamullays Malabar. Wynaad. An. & Mag., N. H., 1850; C. I., 25, 4.

SOPHINA, *Benson.*

S. CALIAS, B. — Moulmein — An. & Mag., N. H., 1859, p. 473.
schistostelis, B. — An. & Mag., N. H., 1859; Stol. J. A. S., B., 1871, part ii, 255.
S. CONJUNGENS, Stol. — Moulmein Chouktalon hill — J. A. S., B., 1871, part ii, 259.
S. DISCOIDALIS, Stol. — Moulmein, Chouktalon hill — *Ibid*, 258.
S. FORABILIS, B. — Moulmein, Tenasserim — An. & Mag., N. H., 1859, p. 389.

HYALINA, *Gray.*

H. LUCIDA, Drap. — Kashmir, Tibet, Spiti — Pf. Monog. i, 94.
nitida Müll.
H. FULVA, Drap — Spiti — Pf. Mong. i, 30.

MACROCHLAMYS, *Benson.*

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M. ANGELICA, Pf. — Punjab — C. I., 86, 5, 6.
M. ASPIDES, B. — Tenasserim — An. & Mag., N. H., 1863, p. 320.
M. ACERRA, B. — Mergui — An. & Mag., N. H., 1859, p. 389.
M. bathycharax, B. Mss. — Andaman Islands (compluvialis type).
M. celox, B. — Darjiling — J. A. S., B., 1863, p. 365 (a mss. species never I think published)
M. ATRICOLOR, God. Aust. — J. A. S., B., 1875, part ii, p. 2.
M. CHOINIX, B. — Andaman Islands — C. I., 51, 1.
M. CHLOROPLAX, B. — Simla — C. I., 32, 1, 4.
M. CITRINA, God. Aust. — North Kachar.

M. COMPLUVIALIS, W. Bl. — Arakan hills — C. I., 88, 1, 4.
M. CONVALLATA, B. — Therapon hill, Tenasserim valley — C. I., 88, 2, 3.
M. CYCLOIDEA, Albers — Moulmein — Pf. iv, 43,
M. DECUSSATA, B. — Bengal — J. A. S., B., 1836.
M. EFFULGENS, W. Bl. — Western Ghâts.
M. EXUL, Theob. — Andaman Islands — C. I., 62, 1, 2, 3.
Andamanensis, Tryon — Proc. A. S., B., 1870, p. 87.
M. FRAGILIS, Hutton — Nimach — J. A. S., B., 1838, p. 216.
M. GLAUCA, B. — Kotgurh, near Simla — Chemnitz's 2nd ed., pl. lxxxvii.
M. HEBESCENS, W. Bl. — Anamullay hills — J. A. S., B., 1866, p. 34.
M. HYPOLEUCA, W. Bl. — Arakan hills — C. I., 64, 6, 7.
M. INFAUSTA, W. Bl. — Anamullay hills — J. A. S., B., 1866, p. 36.
M. INDICA, B. — Bengal — Benson, J. A. S., B., 1832, p. 76.
virtrinoides, Desh. Auct. nonvera. — Sloliczka, J. A. S., B., 1871, part ii, 247.
petrosa, Hutton — Hutton, J. A. S., B., 1834, 84, "*type*" — C. I., 88, 7, 10.
M. JACQUEMONTI, Martens — Salt Range, Panjab.
M. LIXA, W. Bl. — Anamullay hills, east side — J. A. S., B., 1866, 35.
M. LUBRICA, B. — Dorjiling — C. I., 51, 8, 9.
M. NEBULOSA, W. Bl. — Pegu — C. I., 64, 8, 9, 10.
M. PEDINA, W. Bl. — Bombay, Western Ghâts — C. I., 51, 3.
M. PARTITA, Pf. — Ceylon — C. I., 85, 5, 6.
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M. PERROTTETI, Pf. — Nilghiri hills — Pfeiffer in Zeitschr. f Malak, 1851, p. 13.
M. PETASUS, B. — Tenasserim valley — C. I., 89, 8, 9.
M. POLITISSIMA, Pf. — Ceylon — C. I., 31, 8, 9.
M. RESPLENDENS, Phil. — Mergui — C. I., 51, 4.
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M. SEQUAX, B. — Derjiling — C. I., 63, 1, 2, 3.
M. SPLENDENS, Hutton — Mahasu — C. I., 51, 7, 10.
M. STEPHUS, B. — Andaman Islands — C. I., 62, 4, 5, 6.
M. SUBDECUSSATA, Pf. — Bombay — C. I., 56, 4.
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M. WOODIANA, Pf. — Ceylon — C. I., 32, 2, 3.

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J. A. S., 1861, p. 354; C. I., 129, 1, 2, 3.
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M. SUBJECTA, B. — Orissa, Rajmahal — C. I., 64, 1, 2, 3.
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M. CAUSSIA, B. — Phaiethan hill, Tenasserim valley — C. I., 90, 2, 3.
M. HONESTA, Gould — Pegu, Arakan, Tenasserim.
(Stol. J. A. S., B., 1871, part ii p. 248, Anatomy); C. I., 90, 10.
M. HODGSONI, W. Bl. — below Pankabari, Dorjiling, — An. & Mag., N. H., 1859, p. 267.
M. INJUSSA, W. et H. Bl. — Kunur, Nilghiri hills.
J. A. S., 1861, p. 356, pl. i, p. 613.
M. KUMAHENSIS, Theob. et Stol. — Kumah hill, in Sandoway.
J. A. S., B., 1872, part ii, 334.
M. LEVICULA, B. — Tenasserim valley — C. I., 90, 1, 4.
M. PATANE, B. Dorjiling — An. & Mag., N. H., 1859, p. 270.
M. PLANIUSCULA, B. — Western Himalays, Khasi hill — C. I., 32, 7, 10.
M. POONGI, Theob. — Moulmein — C. I., 16, 9.
M. REGULATA, B. — Kalugung and Matelle, Ceylon — C. I., 31, 5, 6.
M. RORIDA, B. — Dorjiling, — An. & Mag., N. H., 1859, p. 266.
M. RIMICOLA, B. — Dorjiling, Simla, Landour — C. I., 61, 1.
M. SEPOSITA, B. — Dorjiling, — An. & Mag., N. H., 1859, p. 267.
M. SUBCONOIDEA, Pf. — Ceylon — C. I., 85, 7, 10.
M. TENUICULA, Adams — Sattara — P. Z. S., 1868, pl. xiv, f 9; C. I., 89, 7, 10.
M. TERTIANA, W. et H. Bl. — Pykara and Neddiwuttum, Nilghiri hills — C. I., 16, 10.
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M. FEBRILIS, W. & H. Bl. — Kalryenmullay hills — J. A. S., B., 1861, p. 357.
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S. ATTEGIA, B. — Pegu, Ava — C. I., 86, 7.
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S. APICATA, W. Bl. — Nilghiri hills, Northern & Eastern slopes — C. I., 54, 5.
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S. GRATULATOR, W. Bl. — Irawadi valley — C. I., 16, 2.
S. HYPHASMA, Pf. — Ceylon — C. I., 54, 3.
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S. LAYARDI Pf. — Ceylon — C. I., 56, 8, 9.
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S. PALMARIA, B. — Nandydrug, Mysor — C. I., 30, 5, 6.
S. PHYLLOPHILA, B. Ceylon — C. I., 61, 10.
S. RADICICOLA, B. — Simla, Naiuital — C. I., 62, 10.
S. TRICARINATA, W. & H. Bl. — Pykara, Nilghiri hills — J. A. S. B., 1861, p. 355.

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K. FASTIGIATA, Hutton — Bulundshahar, Western Himalayas, Nilghiri hills — C. I., 16, 5.

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J. A. S., 1861, p. 352, part i, f 7.
K. CORYS, B. — Rangan valley, Dorjiling. An. & Mag., N. H., 1859, p. 265.
K. MONONEMA, B. — Heneratgodde, Ceylon — C. I., p. 87, 2, 3.
K. MACROPLEURIS, B. — Dorjiling — C. I., 87, 10.
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S. INFRENDENS, Gould — Moulmein, Tavoy — Bost. Jour. iv, p 453, t 24, f 6.
Tickelli, Theob. J. A. S., 1859, p. 306.
S. PYLAICA, B. — Moulmein — C. I., 15, 2.

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S. DAGHOBA, W. & H. Bl. — Patchamullay and Kalryenmullay hills.
J. A. S., B., 1861, part ii, p. 365.
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S. MAMMILLARIS, W. Bl. — Akouktoung and Western Prome — C. I., 50, 1, 2.

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R. ANCEPS, Gould — Pegu, Martaban.
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R. CINGALENSIS, B. — Mattelle, Ceylon — C. I., 54, 1, 2.
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R. EMILIANA, Pf. (not Reeve) — Ceylon — C. I., 56, 10.
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R. PERROTTETI, Pf. — Nilghiri hills — Pfeiffer in Zeitschr. f Malak, 1851, p. 13.
R. PLICATULA, W. Bl. — Khasi hills — C. I., 28, 1.
R. PANSA, B. — Irawadi valley, Martaban — C. I., 56, 1.
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R. SHIPLAYI, Pf. — Nilghiri and Anamullay hills — P. Z. S., 1856, p. 327.
R. SEMIDECUSSATA, Pf. — Bombay — C. I., 56, 4.
R. TROCHALIA, B. — Andaman Islands — C. I., 28, 7.
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R. TUGURIUM, B. — Dorjiling — C. I., 29, 10.

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R. ACRIS, B. — Khasi hills — C. I., 54, 6.
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R. TURRITELLA, Adams — Ceylon — C. I., 86, 4.
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H. CASTOR, Theob. — Khasi hills — C. I., 26, 3.
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H. BASILEUS, B. — Trichoor, Anamullay hills — C. I., 25, 7.
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H. BEDDOMEI, W. Bl. — as Hemiplecta Travankor — An. & Mag., N. H., 1874.
H. CHENUI, Pf. — Ceylon — C. I., 25, 1.
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Niligirica, B.
G. PERTENUIS, Bl. — Tonghup in Arakan — C. I., 18, 5.
G. PRÆLUSTRIS, B. — Orissa, Ganjam — C. I., 17, 6, 7.
G. PULLA, Bl. — Turna, hill near Western Ghats — C. I., 78, 1.
G. PUNCTOGALLANA, Pf. — Galle, Ceylon — C. I., 102, 4.
Ceylanica Revee.
G. PYRAMIS, B. — Khasi hills — C. I., 18, 6.

G. RUGATA, Bl. — Synghar hill in the Dekkan — J. A. S., 1870, p. 20, pl. iii, f 18; C. I., 102, 7.
G. SARISSA, B. — Komerkolly, Bengal, Moisraka, Jessore — C. I., 35, 10.
G. SCRUTILLUS, B. — Orissa, Narbadda valley — C. I., 18, 1.
G. SERENA, B. — Matelle, Akurambodie, Ceylon — C. I., 78, 8.
G. SHIPLAYI, Pf. — Nilghiri, Kalryenmallay and Patchmallay hills — C. I., 36, 9.
G. SATTARAENSIS, H. Adams — C. I., 78, 4.
G. SYNGHARENSIS, Bl. — Synghar hill in the Dekkan — C. I., 78, 7.
G. SUBFUSIFORMIS, W. Bl. — Punsi in Yunan — P. Z. S., 1869, p. 449.
G. TAMULICA, W. T. & H. F. Bl. — Kallagudy, Trichinopoli — C. I., 17, 9.
G. TURNENSIS, W. Bl. — Turna hill, near Western Ghats — C. I., 78, 3.
G. TENUISPIRA, B. — Dorjiling, Pegu — C. I., 36, 8.
G. TEXTILIS, Bl. — Anamallay hills — C. I., 17, 10.
G. VADALICA, B. — Ahmednagger — C. I., 35 5.
G. VERUINA, B. — Nalande, Ceylon — An. & Mag., N. H., 1853, p. 94.

ZUA, *Leach,*

Z. LUBRICA, Müll — Iskardo — P. Z. S., 1856, p. 186.

Sub-Family. PUPINÆ.

CYLINDRUS, *Fitzinger.*

C. AGRENSIS, Kurr — Agra — C. I., 23, 1.
C. CHION, Pf. — Panjab, Karachi — C. I., 22, 1.
C. EREMITA, B. — Bolan pass — C. I., 23, 6.
C. ESTELLUS, R. — Synd — C. I., 22, 4.
C. GRIFFITHII, B. — Afghanistan — C. I., 23, 5.
C. INSULARIS, Eh. — Panjab, India, Mandelay — C. I., 22, 10.
pullus Gray.
C. PERTICA, B. — Synd — C. I., 22, 7.
C. SALSICOLA, B. — Salt Range, Punjab — C. I., 20, 8.
C. SPELÆUS, Hutton, — Bolan pass. Salt Range, Punjab — C. I., 23, 6.

PUPA, *Draparnaud.*

P. AVANICA, B. (Scop.) — Ava, Iravadi valley — An. & Mag., N. H., 1863, p. 428.
P. BATHYODON, B. (Scop.) — Tilak-Sendur, Narbadda valley — C. I., 100, 7.
P. BREVICOSTIS, B. — Barackpur — An. & Mag., N. H., 1849, p. 127; Conchylien-Cabinet, 1850, 144, pl. xvii, f 20, 22.
P. CEYLANENSIS, H. Nev. — Ceylon.
P. DIOPSIS, B. — Narbadda valley — An. & Mag., N. H., 1863, p. 427; C. I., 101, 10.
P. EVEZARDI, Bl. Mss. — Synghar hill, Dekkan — C. I., 101, p. 5, 6.
P. EURINA, B. — Tribeni Ghat on the Ghogra — An. & Mag., N. H., 1864, p. 139; C. I., 101, 10.
P. FILOSA, Stol. (Scop.) — Arakan coast (on trees) — J. A. S., 1872, part ii, p. 333.
P. GUTTA, B. — Spiti — An. & Mag., N. H., 1864, p. 138 ; C. I., 101, 9.
P. HUTTONIANA, B. — Simla, Kashmir — An. & Mag., N. H., 1849, p. 126; C. I., 101, 3.
P. HYMALAYANA, B. — Simla, Masuri — An. & Mag., N. H., December, 1863; C. I., 101, 4.

P. INDICA, Pf. — Barakpur — P. Z. S., 1854, p. 295.
P. LAPIDARIA, Hutton — Afghanistan — C. I., 100, 10.
P. MIMULA, B. — Pt. Pedro, Ceylon — An. & Mag., N. H., 1853, p. 94.
P. MUSCERDA, B. — Pt. Pedro, Ceylon — An. & Mag., N. H., 1853, p. 95.
P. LIGNICOLA, Stol. (pupis) — Moulmein — J. A. S., 1871, part ii, p. 171.
P. MICCYLA, B. (pupis) — Matelle, Ceylon — Pf. Monog. Helix, iv, p. 53.
P. MUSCORUM, L. (pupil) — Spiti.
P. OLEOSA, H. Nev. Mss. — Ceylon.
P. ORCULA, B. (pupis) — Patna and plains of India — An. & Mag. N. H., 1850, 251; C. I., 87, 1, 4.
P. PLICIDENS, B. (Scop.) — Khasi hills, Sabathu — C. I., 100, 8.
hydrocena milium — B. = juv ? ?
P. PLANGUNCULA, B. — Narbada valley and Orissa — An. & Mag., N. H., December 1863, p. 426; C. I., 101, 2.
P. SALEMENSIS, W. & H. Bl. — Kalryenmallay hills — J. A. S., 1861, p. 359, pl. ii, f 8.
P. SALWINIANA, Theob. (Scop.) Upper Salwin valley — C. I., 100, 9.
P. SOLITARIA, H. Nev. Mess. — Ceylon.
P. SERRULA, B. — Narbada valley, — An. & Mag., N. H., December 1863, p. 427, C. I., 101, 8.
P. SERIOLA, B. — Orissa — An. & Mag., N. H., December 1863.
P. TUTULA, B. — Hamirpur Reeve — Conch. Icon., 625, Tab., 84.
P. TERRICOLA, H. Nev. — Ceylon.

BOYSIA, *Pfeiffer.*

B. BENSONI, Pf. — Chitorghar, Rajputana. Mandata on the Narbada — C. I., 8, 1.

HYPSELOSTOMA, *Benson.*

H. BENSONIANUM, Wl. Bl. — Myaleitdoung, Ava — C. I., 8. 2.
H. DAYANUM, Stol. — Damathat hill — J. A. S., 1871, p. 172, pl. vii, f 2.
H. TUBIFERUM, B. — Tondoung, Thaietmio. Ava — C. I., 8, 3.

Sub-Family. SUCCININÆ.

SUCCINEA, *Draparnaud.*

S. ACUMINATA, Wl. Bl. — Momein, Yunan — C. I., 68, 7.
S. BACONI, Pf. — Calcutta — C. I., 68, 1, 4.
S. BENSONI, Pf. — Moradabad — C. I., 67, 9.
S. CEYLANICA, Pf. — Ceylon — P. Z. S., 1857, p. 110.
S. COLLINA, Wl. Bl. — Mahabaleshwar — C. I., 68, 8, 9, 10.
S. CRASSIUSCULA, B. — Calcutta — C. I., 68, 5, 6.
S. DAUCINA, Pf. — Calcutta — C. I., 67, 7.
S. GIRNARICA, Theob. — Girnar hill, Kattiawar — C. I., 67, 5, 6.
S. INDICA, Pf. — Bhimtal — C. I., 67, 1, 4.
S. PFEIFFERI, Ross — Kashmir — Rossm. Icon. I, p. 92, f 46.
S. PLICATA, Wl. Bl. — Tonghup, Arakan — C. I., 67, 8.
S. RUTILANS, Wl. Bl. — Cherrapunji, Khasi hills — C. I., 67, 10.
S. RUGOSA, Pf. — Pondicherry — Symb. II, p. 56.
S. SEMISERICA, Gould — Tavoy, Pegu — C. I., 67, 2, 3.
S. SUBGRANOSA, Pf. — Karnul — P. Z. S., 1849, p. 132.
S. VITREA, Pf. — Calcutta — C. I., 68, 8, 9, 10.

LITHOTIS, *W. T. Blanford.*

L. RUPICOLA, W. Bl. — Bor Ghat — C. I., 81, 7; An. & Mag., N. H., Sept. 1863.

L. TUMIDA, W. Bl. — Synghar hill — C. I., 81, 8, 9.

var SUBCOSTULATA — Purandhar hill — J. A. S., part ii, 1870, 23.

Sub-Family. CLAUSILIINÆ.

CLAUSILIA, *Draparnaud.*

C. ASALUENSIS, God. Am. — Asalu, North Kachar, 7000 —
J. A. S., 1872, part ii, p. 202, pl. ix, f 8.

C. ARAKANA, Theob. — Arakan hills and Maii in Sandoway —
J. A. S., 1872, part ii, p. 210, pl. ix, f 20.

C. BACILLUM, B. — Khasi and Naga hills — C. I., 24, 1.

C. BULBUS, B. — Banks of the Ataran, near Moulmein — C. I., 24, 5.

C. CEYLANICA, B. Ceylon — Ann. & Mag., N. H., 1863, 89.
J. A. S., 1872, part ii, 201, pl. ix, f 4.

C. CYLINDRICA, Gray — Western Himalayas, 5,000—9,000 — C. I., 24, 4.

C. FUSIFORMIS, Wl. Bl. — Arakan hills — C. I., 24, 6.

C. FERRUGINEA, Wl. Bl. — Golaghat, Assam. North Kachar —
J. A. S., 1872, part ii, p. 202, pl. ix, f 7.

C. GOULDIANA, Pf. — Mergui, Moulmein, Salwin vallèy —
J. A. S., 1872, part ii, p. 203, f 10.

C. INSIGNIS, Gould (vera) — Tavoy —
J. A. S., 1872, part ii, p. 204, f 11, not of the C. I.

C. INSIGNIS, Gould (var) — Moulmein — J. A. S., 1872, part ii, p. 204, f 12;
C. I., 24, 2, 3.

C. IOS, B. — Sikkim, Butan, 5,000—9,000 — C. I., 24, 10.

C. MASONI, Theob. — Hills east of Tonghu — C. I., 24, 8.

C. LOXOSTOMA, B. — Khasi hills, 5,000 — C. I., 24, 7.

C. MONTICOLA, God. Aus. — Burrail hills, North Kachar, 6,500 —
J. A. S., 1872, part ii, p. 204, pl. ix, 13.

C. OVATA, Wl. Bl. — Nattoung near Moulmein (on the Attaran) —
J. A. S., 1872, part ii, p. 206, pl. ix, f 17.

C. PHILIPPIANA, B. — Farm cases near Moulmein.
J. A. S., 1872, part ii, p. 205, pl. ix, f 14.

C. THEOBALDI, Wl. Bl. — Hills east of Tonghu — J. A. S., 1872, part ii, p. 201, pl. ix, f 5.

C. TUBA, Hanley — Upper Salwin valley — C. I., 24, 9.

C. VESPA, Gould — Tavoy, Proc. Bost. Soc., 1859, vol. vi, p. 12;
J. A. S., 1872, part ii, p. 205, pl. ix, f 15.

C. WAAGENI, Stol. — Mari, Western Himalayas, 9,000 —
J. A. S., 1872, part ii, p. 209, pl. ix, f 19.

Sub-Family. STREPTAXINÆ.

ENNEA, *H. et A. Adams.*

E. BICOLOR, Hutton — India, Barmah — C. I., 100, 6.

E. BLANFORDIANA, God. Aus. — Mahadeo and Asalu peaks, North Kachar —
P. Z. S., 1872, p. 515; C. I., 100, 2.

E. CEYLANICA, Pf. — Ceylon — C. I., 100, 4.

E. FARTOIDEA, Theob. — Upper Salwin valley — C. I., 100, 5.

E. PIRRIEI, Pf. — Nilghiri and Shevroy hills — C. I., 100, 1.

E. STENOPYLIS, B. — Khasi hills. Dorjiling —
P. Z. S., 1872, p. 516, pl. xxx, f 5; C. I., 101, 1.
E. VARA, B. — Nanclai, Khasi hills — C. I., 100, 3.

HUTTONELLA, *Stoliczka.*

H. CYLINDRELLOIDEA, Stol. — Damathat hill —
J. A. S., 1871, part ii, p. 169, pl. viii, f 7, 8.

STREPTAXIS, *Gray.*

S. ANDAMANICUS, B. — Andamans — C. I., 8, 6.
S. BARMANICUS, Wl. Bl. — Pegu —
J. A. S., 1871, part ii, p. 163, pl. vii, f 5, 7; C. I., 8, 10, (*non* 5).
S. BLANFORDI, Theob. — Pegu —
J. A. S., 1871, part ii, p. 163, pl. vii, f 8, 9; C. I., 8, 5, (*non* 10).
S. BOMBAX, B. — Moulmein — C. I., 31, 1, 4.
S. KANARICUS, Beddome — South Kanara.
S. CINGALENSIS, B. — Hewagam, Corle, Ceylon — C. I., 98, 2, 3.
S. COMPRESSUS, Wl. Bl. — Madura.
S. EXACUTUS, Gould — Moulmein. Mergui — C. I., 98, 8, 9, 10.
S. ELISA, Gould — Mergui Archipelago — Otia. Conch., 220.
S. FOOTEI, W. & H. F. Bl. — Shulamallay and Pachmallay hills —
J. A. S., 1861, p. 358, pl. ii, f 6.
S. HANLEYANUS, Stol. — Kwengan hill — J. A. S., 1871, part ii, p. 168, pl. vii, f 15.
S. LAYARDIANUS, B. — Mehintalli, Ceylon — C. I., 98, 1, 4.
S. OBTUSUS, Stol. — Chouktalon hill, near Moulmein —
J. A. S., 1871, part ii, p. 166, pl. vii, f 8.
S. PETITI, Gould — Mergui — C. I., 8, 4.
S. PERROTTETI, Pf. — Nilghiri hills — C. I., 98, 5, 6.
S. PERSONATUS, Wl. Bl. — Tinnivelly.
S. SANKEYI, B. — Moulmein — J. A. S., 1871, part ii, pl. vii, f 14; C. I., 8, 7.
S. SOLIDULUS, Stol. — Moulmein — J. A. S., 1871, part ii, p. 166, pl. vii, f 10; C. I., 98, 7.
S. THEOBALDI, B. — Khasi hills — C. I., 8, 9.
S. WATSONI, W. & H. F. Bl. — Nilghiri hills — C. I., 8, 8.

FAMILY. **Veronicellidæ.**

VERONICELLA, *Blainville.*

V. BARMANORUM, Theob. — Calcutta, Arakan, Pegu, Tenasserim, Pinang —
J. A. S. and Stoliczka, J. A. S., 1873, part ii, p. 34.
V. MACULATA, Templeton — Ceylon.
V. TEMPLETONI, Humb. — Ceylon.

FAMILY. **Onchidiidæ.**

ONCHIDIUM, *Buchanan Hamilton.*

O. TYPHÆ, Buch. Ham. — Calcutta — J. A. S., 1869, part ii, p. 88, pl. xiv.
O. PALLIDUM, Stol. — Port Canning. Pegu — J. A. S., 1869, part ii, p. 103, pl. xv, f 1.
C. TIGRINUM, Stol. — Port Canning. Pegu — J. A. S., 1869, part ii, p. 105, pl. xv, f 2.
O. TENERUM, Stol. — Port Canning. Pegu, J. A. S., 1869, part ii, p. 107, pl. xv, f 3.
O. VERMICULATUM, Cuv. — Ceylon — Proc. A. S., 1870, December, p. 304.

Order. LIMNOPHILA.

Family. Auriculidæ.

Sub-Family. Auriculinæ.

Carychium, *Müller.*

C. Indicum, B. — Western Himalayas — An. & Mag., N. H., 1849, p. 194.
C. Boysianum, B. — Taj, Agra — An. & Mag., N. H., 1864, p. 210.

Coilostele, *Benson.*

C. scalaris, B. — Hamirpur — An. & Mag., N. H., 1364, p. 136.

Sub-Family. Otininæ.

Camptonyx, *Benson.*

C. Theobaldi, B. — Girnah peak, Kattiawar — C. I., 81, 5, 6.

Family. Limnæidæ.

Sub-Family. Limnæinæ.

Limnæa, *Lamarck.*

L. acuminata, Lam. — Hyngola — C. I., 69, 8, 9.
L. amygdalus, Tros. — Bengal — C. I., 69, 7, 10.
L. chlamys, B. — Moradabad, Banaras — C. I., 69, 5, 6.
L. luteola, Lam. — Kashmir, Bengal, Prome — P. Z. S., 1856, p. 186; C. I., 70, 5, 6.
L. ovalis, Gray — Calcutta — C. I., 70, 2, 3.
var strigata — Jaunpur — C. I., 70, 4.
L. peregra, Mull. — Yunan. Shan States.
var Hookeri — Iskardo ad 18,000 feet — P. Z. S., 1856, p. 186.
L. stagnalis — Kashmir — P. Z. S., 1856, p. 186.
L. pinguis, Dohrn. — Calcutta — C. I., 70, 7, 8, 10.
L. rupescens, Gray — Bengal — C. I., 69, 14.
Var patula Tros — C. I., 69, 2, 3.
Var — C. I., 70, 1.
Var Sylhetica — Sylhet — C. I., 70, 9.
L. tigrina, Dohrn. — Ceylon — P. Z. S., 1858, p. 134.
L. truncatula, Mull. — Spiti. Afghanistan.
minuta Drap.

Physa, *Diaparnaud.*

P.—Two species are said to have been taken in Ceylon by E. Leyard, but have not been described, see An. & Mag., N. H., 1855, p. 12.

Camptoceras, *Benson.*

C. Austeni, Bl.— Nazirpur, Mymensing — J. A. S., 1871, part ii, p. 40, pl. ii, f 2.
C. lineatum, Bl. — Nazirpur, Mymensing — J. A. S., 1871, part ii, p. 40, pl. ii, f 3.
C. terebra, B. — Ramganga, Moradabad — An. & Mag., N. H., 1855, 10.

Sub-Family. PLANORBINÆ.

PLANORBIS, *Guettard.*

P. CŒNOSUS, B. — Moradabad, Ceylon — C. I., 39, 7, 8, 9.
P. CALATHUS, B. — Moradabad. Ceylon. Kashmir — C. I., 39, 1, 2, 3.
P. CANTORI, B. — Barakpur — C. I., 40, 1, 2, 3.
P. COMPRESSUS, B. — India — C. I., 99, 1, 4.
P. CONVEXIUSCULUS, Hutton — India — C. I., 99, 8, 9, 10.
P. EXUSTUS, Desh. — India — C. I., 39, 10. 40, 10.
Indicus, B. — Pegu.
Coromandelianus, Kust.
P. ELEGANTULUS, Dohrn — Ceylon — P. Z. S., 1858, p. 134.
P. HYPTIOCYCLOS, B. (as helix) Fort MacDonald, Ceylon — C. I., 99, 5, 6, 7.
P. LABIATUS, B. — Moradabad — J. A. S., 1850, p. 350.
P. ROTULA, B. — Moradabad — C. I., 99, 2, 3.
P. SYNDICUS, B. — Synd — C. I., 40, 4, 5, 6.
P. STELZNERI, Dohrn — Ceylon — P. Z. S., 1858, p. 134.
P. TROCHOIDEUS, B. — Barakpur — C. I., 39, 4, 5, 6.
P. UMBILICALIS, B. — Eastern Bengal — C. I., 40, 7, 8, 9.

Sub-Family. ANCYLINÆ.

ANCYLUS, *Geoffroy.*

A. BACONI, Bourg. — Bengal??
(*teste Benson, Darling River, West Australia.*)
A. CEYLANICUS, B. — Matelle, Ceylon — C. I., 81, 1, 4.
A. VERRUCA, B. — Bhimtal. Orissa. Badaon — Narbada valley. C. I., 81, 2, 3.

ORDER. ECTOPHTHALMA.

FAMILY. Cyclostomidæ.

CYCLOTOPSIS, *W. Blanford.*

C. SEMISTRIATUM, Sow. — Punah — C. I., 4, 9.
subdiscoideus Sow. — Orissa — C. I., 4, 10.

OTOPOMA, *Gray.*

O. HINDUORUM, W. Bl. — Kattiawar — C. I., 6, 5, 6.
O. clausum, apud Benson.

FAMILY. Cyclophoridæ.

Sub-Family. CYCLOPHORINÆ.

CYCLOPHORUS, *Montfort.*

C. AFFINIS, Theob. — Kaugun hill, Salwin valley — C. I., 2, 7, 48, 2.
C. ALABASTRINUS, Pf. — Ceylon — Pf. Mon., ii, p. 41; and P. Z. S., 1854, p. 126.
C. ARTHRITICUS, Theob. — Hill ranges of Pegu — C. I., 1, 4—3, 2.
C. AURANTIACUS, Schm. — Amherst, Moulmein — C. I., 33, 4.
(*perfectly distinct from pernobilis, Gould.*)
C. CEYLANICUS, Pf. — Ceylon — C. I., 33, 2.
C. CŒLOCONUS, B. — Nilghiris — C. I., 4, 5.

C. CORNU-VENATORIUM, Sow. — Ava — C. I., 104, 5, 6.
C. CRYPTOMPHALUS, B. — Ava — C. I., 3, 7.
C. EXPANSUS, Pf. — Tenasserim — C. I., 2, 3, 4.
C. EXIMIUS, Mouss. — Khasi hills — C. I., 33, 1.
C. EXUL, B. — Bhamoury — C. I., 47, 7.
C. FLAVILABRIS, B. — Pegu (?) — C. I., 1, 1.
C. FOLIACEUS, Chem. — Andaman and Nikobar Islands — C. I., 2, 5, 6.
C. FULGURATUS, Pf. — Pegu — C. I., 3, 3.
C. HAUGHTONI, Theob. — Farm caves, Moulmein — C. I., 1, 3—3, 6—48, 6.
balteatus B. — Farm caves — C. I., 3, 1.
C. HIMALAYANUS, Pf. — Dorjiling — P. Z. S., 1851, p. 242.
C. INVOLVULUS, Müll. (apud Benson) — Ceylon — C. I., 2, 1.
C. INDICUS, Desh. — Bombay, Western Ghats — C. I., 48, 3.
stenomphalus, Pf. — Elephanta (*not Khasi hills*) — C. I., 34, 1.
altivagus, B. — Mahabaleshwar — C. I., 34, 2, 3, 6.
C. JERDONI, B. — Nilghiris, Ceylon (?) — C. I., 33, 5, 6.
C. KANDYANUS, H. Nev. — Ceylon.
C. MALAYANUS, B. (?) — Salwin valley (upper) — C. I., 48, 4.
C. MENKEANUS, Pf. — Ceylon — C. I., 33, 3.
C. NILGIRICUS, B. — Nilghiris — C. I., 1, 5—48, 5.
C. PATENS, W. Bl. — Prome, Henzadah — C. I., 3, 5
C. PEARSONI, B. — Khasi hills — C. I., 1, 6.
C. PERNOBILIS, Gould — Tenasserim — C. I., 1, 7.
C. POLYNEMA, Pf. — Midnapur — C. I., 2, 8.
involvulus Müll, teste Benson.
C. PORPHYRITICUS, B. — Tenasserim — C. I., 105, 4.
C. PYROTREMA, B. — Rajmahal hills. Sumeysar hills, Tirhut — C. I., 2, 9, 10.
C. SCURRA, B. — Arakan hills — C. I., 48, 7 (bad and wrong) — 105, 2, 3.
C. SIAMENSIS, Sow. — Khasi hills — Pf. Mon., p. 56. Sow. Thes. Conch., pl. 31., f. 292, 293.
C. SPECIOSUS, Phil. — Damathat, Moulmein. Tonghu — C. I., 104, 4, 7.
C. SUBLLÆVIGATUS, W. Bl. — Bhamo — C. I., 34, 7.
C. THEOBALDIANUS, B. — Tondoung, Thaietmio — C. I., 1, 2.
C. TRYBLIUM, B. — Dorjiling — C. I., 47, 10—48, 1.
C. ZEBRINUS, B. — Nanclai, Khasi hills — C. I., 2, 2.

MYXOSTOMA, *Troschel.*

M. ANNULATUM, Tros. — Ceylon — Pf. Mon., p. 98.
M. BAIRDI, Pf. — Ceylon — 4, 1.
M. CADISCUS, B. — Matelle, Ceylon — An. & Mag., N. H., 1860, p. 385 ; C. I., 105, 10.
M. CALYX, B. — Moulmein — C. I., 4, 4.
M. CRATERA, B. — Ceylon — C. I., 47, 8.
M. CYTOPOMA, B. — Ceylon — C. I., 47, 9.
M. DEPLANATUM, Pf. — Nilghiris, Anamallays — C. I., 3, 10.
M. HISPIDULUM, W. Bl. — Mya-leit-doung, Ava — C. I., 47, 5, 6.
M. INGLISIANUM, Stol. — Damathat hills — J. A. S., 1871, part ii, p. 148, pl. vi., f 1.
M. LAYARDI, B. — Ceylon — P. Z. S., 1868, p. 294, pl. 4, f 21 — C. I., 104, 2, 3.
M. PARMA, B. — Ceylon — An. & Mag., N. H., 1856, p. 94.

M. PARAPSIS, B. — Dambul, Ceylon — An. & Mag., N. H., 1853, p. 96.
M. PHÆNOTOPICUM, B. — Dorjiling — C. I., 4, 3.
M. PINNULIFER, B. — Khasi hills — C. I., 4, 2.
M. RAVIDUM, B. — Nilghiris. Kolamallays. (Ceylon?)., An. & Mag., N. H., 1851, p. 190; C. I., 105, 5, 6.
M. STENOSTOMA, Sow. — Nilghiris — Thes. Conch, p. 95, pl. 31, f 261; C. I., 105, 7, 8, (9?).
M. THWAITESII, Pf. — Ceylon — C. I., 3, 8, 9.

LEPTOPOMA, *Pfeiffer.*

L. ASPIRANS, B. — Tenasserim. Pegu. Arakan — C. I., 6, 4.
L. APICATUM, B. — Kuruwitty, Ceylon — An. & Mag., N. H., 1856, p. 95; C. I., 142, 1.
L. BARMANUM, Pf. — Tenasserim — Pf. Mon., p. 177.
L. CYBEUS, B. — Khasi hills — C. I., 6. 1.
L. CŒLOCONUS, B. — South India — C. I., 4, 5.
L. CONULUS, Pf. — Ceylon — P. Z. S., 1854, p. 127; C. I., 105, 1.
L. ELATUM, Pf. — Ceylon — P. Z. S., 1851; C. I., 142, 2.
L. FLAMMEUM, Pf. — Ceylon — P. Z. S., 1854, p. 127; C. I., 142, 3.
L. HALOPHILUM, B. — Ceylon — An. & Mag., N. H., 1851, p. 265; C. I., 63.
L. MALLEATUM, W. Bl. — Shevroys — C. I., 82, 5, 6.
L. OROPHILUM, B. — Monahagalla, Ceylon — Pf. Mon., ii, p. 77; C. I., 142, 4.
L. PŒCILUM, Pf. — Ceylon — P. Z. S., 1854, p. 302.
L. RADICICOLUM, H. Nev. — Ceylon.
L. SEMICLAUSUM, Pf. — Ceylon — P. Z. S., 1854, p. 302.
L. SETIFERUM, H. Nev., Mss. — Ceylon.

LAGOCHEILUS, *Theobald* — J. A. S., 1872, part ii, p. 269.

L. LEPORINUS, W. Bl. — Pegu — J. A. S., 1865, part ii, p. 82.
L. SCISSIMARGO, B. — Phaiethan hill, Tenasserim valley — C. I., 6, 7.
L. TOMOTREMA, B. — Khasi hills — C. I., 6, 8.

CRASPIDOTROPIS, *W. Blanford.*

C. CUSPIDATUS, B. — Nilghiris — An. & Mag., N. H., 1851, p. 189.

DITROPIS, *W. Blanford.*

D. BEDDOMEI, W. Bl.— Travankor hills — J. A. S., 1869, part ii, p. 127, pl. xvi, f 2.
D. CONVEXUS, W. Bl. — Kalkad hills — J. A. S., 1869, part ii, p. 128, pl. xvi., f 3.
D. PLANORBIS, W. Bl. — Kalkad hills, Travankor — J. A. S., 1869, part ii, p. 126, pl. xvi, f 1.

AULOPOMA, *Troschel.*

A. GRANDE, Pf. — Ceylon — C. I., 47, 1, 2.
A. HOFFMEISTERI, Tros. — Ceylon — C. I., 47, 3, 4.
A. HELICINUM, Chem. — Ceylon — C. I., 4, 8.
A. ITIERI, Guerei. — Ceylon — C. I., 4, 6, 7.
A. SPHEROIDEUM, Dohrn — Ceylon — Malak, Bl. iv., 1857, p. 85.

RHIOSTOMA, *Benson.*

R. HAUGHTONI, B. — Damathat caves — C. I., 5, 10.

PTEROCYCLOS, *Benson.*

P. ALBERSI, Pf. — Khasi hills — Pf. Mon., i, p. 45.
P. ATER, Stol. — Ataran valley — J. A. S., 1871, part ii, p. 149, pl. vi, f 2; C. I., 142, 5, 6.
P. ARAKANENSIS, W. Bl. — Tonghup, Akyab.

P. BIFRONS, Pf. — Ceylon — P. Z. S., 1855, p. 117; C. I., 142, 8, 9.
P. BILABIATUS, Sow. — Hills of South India — 5, 2.
P. BICILIATUS, Mousson — Barmah (?) — Jav. Moll., p. 49, pl. 20, f 9.
P. CETRA, B. — Phaiethan hill, Tenasserim — Pf. Mon., ii, p. 32.
P. CUMINGI, Pf. — Ceylon — C. I., 49, 7, 8.
Cingalensis, B. — Ceylon — C. I., 5, 5.
P. FEDDENI, Bl. — Pegu — C. I., 5, 9.
P. INSIGNIS, Theob. — Upper Salwin valley — C. I., 5, 6, 7.
P. NANUS, B. — Nilghiris — C. I., 49, 5, 6.
P. PARVUS, Pearson — Sandoway. Assam (?) — C. I., 5, 3, 142, 7, 10.
P. PULLATUS, B. — Pegu — An. & Mag., N. H., 1856, p. 227, Pf. Mon., ii, 31.
P. TRISTIS, W. Bl. — South Kanara — J. A. S., 1869, part ii, p. 134, pl. xvi, f 9.
P. TROSCHELI, Pf. — Ceylon — An. & Mag., N. H., 1851, 196.
P. ZEBRINUS, H. Nev. — Ceylon.

SPIRACULUM, *Pearson.*

S. AVANUM, W. Bl. — Ava. Pegu — J. A. S., 1863, p. 319.
S. ANDERSONI, W. Bl. — Bhamo — C. I., 49, 3, 4.
S. BEDDOMEI, W. Bl. — Kimety hills, Waltair.
S. FAIRBANKI, W. Bl. — Palney hills — C. I., 49, 1, 2.
S. GORDONI, B. (Opisthoporus) — Tonghu. Moulmein — C. I., 49, 9, 10.
S. HISPIDUM, Pearson — Khasi hills — C. I., 5, 4.
S. MASTERSI, W. Bl. (Mss.) — Golahghat, Assam — C. I., 5, 1.

CYATHOPOMA, *W. Blanford.*

C. ALTICOLUM, H. Nev. Mss. — Ceylon.
C. CEYLANICUM, H. Nev. Mss. — Ceylon.
C. KUNURENSE, W. Bl. — Kunur, Nilghiris — Jour. Con., vol. xvi, p. 261, pl. xii, f 6.
C. DEKKANENSE, H. Bl. — Borghat — Jour. Con., vol. xvi, p. 258, pl. xii, f 1; C. I., 8, 8, 9.
C. DEKOYENSE, H. Nev. Mss. — Ceylon.
C. PILOCINCTUM, B. — Nilghiris — Jour. Con., vol. xvi, p. 258, pl. xii, f 1; C. I., 82, 2, 3.
C. KALRYENENSE, W. & H. Bl. — Kalryenmallay hills — J. A. S., 1861, p. 352, pl. ii, f 1.
C. KOLAMALLIENSE, W. & H. Bl. — Kolamallay hills.
Jour. Conch., vol. xvi, p. 260, pl. xii, f 5.
C. MALBARICUM, W. & H. Bl. — Nilghiris —
Jour. Conch., vol. xvi, p. 261, pl. xii, f 7; C. I., 82, 1, 4.
C. PROCERUM, W. Bl. — Baypur — Jour. Conch., vol. xvi, p. 262, pl. xii, f 8.
C. TIGNARIUM, B. — Andamans — Jour. Con., vol. xvi, p. 263, pl. xii, f 9; C. I, 82,7,10.
C. WYNAADENSE, W. Bl. — Wynaad, Nilghiris — Jour. Conch., vol. xvi, p. 259, pl. xii, f 3.

MYCHOPOMA, *W. Blanford.*

M. HIRSUTUM, Beddome (Mss.) — Kalkad and Myhendro hills.
J. A. S., 1869, part ii, p. 132, pl. xvi, f 5.
M. LIMBIFERUM, W. Bl. — Palney hills — J. A. S., 1869, part ii, p. 133, pl. xvi, f 4.

JERDONIA, *W. Blanford.*

J. KOLAMALLAYENSE, W. & H. Bl. — Kolamallay and Kalryenmallay hills.
J. A. S., 1861, 351, pl. i, f 4.

J. LAUTA, Bed. Mss. — South Kanara.

J. PHAYREI, Theob. — Upper Salwin valley — J. A. S., 1870, part ii, p. 396.

J. TROCHLEA, B. — Nilghiri hills — An. & Mag., N. H., 1851, p. 189.

Sub-Family. ALYCÆINÆ.

ALYCÆUS, *Gray.*

A. AMPHORA, B. — Farm caves, Moulmein. Kaugun — C. I., 91, 2, 3.

A. ARMILLATUS, B. — Tondoung, Thaietmio — C. I., 93, 10.

A. AVÆ, Wl. Bl. — Hills east of Mandelay — C. I., 94, 8, 9, 10.

A. ANDAMANIÆ, B. Andamans — C. I., 91, 7, 10.

A. BICRENATUS, God. Aus. — Naga hills — J. A. S., 1874, part ii, p. 148.

A. BIFRONS, Theob. — Upper Salwin valley — C. I., 93, ', 4.

A. BEMBEX, B. — Dorjiling — C. I., 95, 2, 3.

A. BLANFORDI, God. Aust. — North Kachar.

A. BURTII, God. Aust. — Bhutan hills — J. A. S., 1874, part ii, p. 149.

A. CRENATUS, God. Aust. — North Kachar —
J. A. S., 1871, part ii, p. 90, pl. iii, f 5; C. I., 103, 2, 3.

A. CONICUS, God. Aust. — North Kachar —
J. A. S., 1871, part ii, p. 87, pl. iii, f 1; C. I., 103, 8, 9.

A. CRENULATUS, Bl. — Dorjiling — C. I., 97, 1, 4.

A. CONSTRICTUS, B. — Dorjiling — C. I., 95, 1, 4.

A. CRISPATUS, God. Aust. — Khasi hills. Moulmein. Myanoung —
J. A. S., 1871, part ii, p. 91, pl. iv, f 1.

A. CUCULLATUS, Theob. — Upper Salwin valley — C. I., 96, 1, 4.

A. DIAGONUS, God. Aust. — North Kachar —
J. A. S., 1871, part ii, p. 88, pl. iii, f 2; C. I., 103, 1.

A. DIGITATUS, H. Bl. — Dorjiling — J. A. S., 1871, part ii, p. 41, pl. ii, f 4.

A. EXPATRIATUS, W. Bl. — Neddiwattam Ghat, Nilghiris — J. A. S., 1860, p. 123.

A. FOOTEI, W. Bl. — Nilghiris, Kolamallays — J. A. S., 1861, p. 348, pl. i, f 3.

A. FEDDENIANUS, Theob. — Upper Salwin valley — C. I., 91, 1, 4.

A. GRAPHICUS, W. Bl. — Moditoung. Chuegalay Sakhan. Pegu. Khasi hills —
C. I., 95, 7, 8, 9; J. A. S., 1862, p. 137, and 1870, part ii, p. 398, pl. xviii, f 3.

A. GLABER, W. Bl. — Akyab — J. A. S., 1865, part ii, p. 84.

A. GLOBULUS, God. Aust. — Naga hills — J. A. S., 1874, part ii, p. 147.

A. GEMMULA, B. — Dorjiling — C. I., 93, 7.

A. HEBES, B. — Khasi hills — C. I., 93, 5, 6.

A. HUMILIS, W. Bl. — Myanoung. Arakan — C. I., 93, 8, 9.

A. INFLATUS, God. Aust. — Naga hills — J. A. S., 1874, part ii, p. 146.

A. INGRAMI, W. Bl. — Naga and Arakan hills —
J. A. S., 1871, part ii, p. 92, pl. iv, f 3; C. I., 92, 7, 10.

A. JAINTIACUS, God. Aust. — Nongjinghi hill, Jaintea —
J. A. S., 1871, part ii, p. 92, pl. v, f 3.

A. JAWAIENSIS, God. Aust. — Jawai. Khasi hills.

A. KHASIACUS, God. Aust. — North Kachar, Khasi and Jaintea hills — J. A. S., 1871, part ii, p. 90, pl. iii, f 4 ; C. I., 103, 5, 6.
A. KURZIANUS, Theob. and Stol. — Nattoung hill in Western Prome. J. A. S., 1872, part ii, p. 330, pl. xi, f 2.
A. MAKARSÆ, God. Aust. (Mss.) North Kachar.
A. MARGARITA, Theob. — Upper Salwin valley — C. I., 95, 10.
A. MULTIRUGOSUS, God. Aus. — Naga hills — J. A. S., 1874, part ii, p. 149.
A. NAGAENSIS, God. Aust. — Naga hills — J. A. S., 1871, part ii, p. 92, pl. v, f 2.
A. OTIPHORUS, B. — Dorjiling — C. I., 95, 4, 6.
A. POLITUS, W. Bl. — Phoungdo, near cape Negrais — C. I., 94, 1, 2, 3.
A. POLYGONOMA, W. Bl. — Arakan hills — C. I., 96, 2, 3.
A. PYRAMIDALIS, B. — Therabuin or Therapon hill in Tenasserim — An. & Mag., N. H., 1856, p. 225 ; C. I., 91, 5, 6.
A. PHYSIS, B. — Dorjiling — C. I., 92, 5, 6.
A. PLECTOCHEILUS, B. — Dorjiling — C. I., 96, 5, 6.
A. PROSECTUS, B. — Khasi hills — C. I., 92, 2, 3.
A. PUSILLUS, God. Aust. — North Kachar. Nattoung in Western Prome — J. A. S., 1871, part ii, p. 89, pl. iii, f 3 ; C. I., 103, 7, 10.
A. RICHTHOFENI, W. B. — Kaugun hill, and Farm caves, Moulmein — C. I., 94, 5, 6.
A. SERRATUS, God. Aust. — Manipur hills — J. A. S., 1874, part ii, p. 148.
A. STOLICZKII, God. Aust. — Naga hills — J. A. S., 1874, part ii, p. 146.
A. STRANGULATUS, Hutton — Western Himalayas — C. I., 93, 2, 3.
A. STRIGATUS, God. Aust. — Assam. Naga hills — A. S. B., 1874, part ii, p. 146.
A. STYLIFER, B. — Dorjiling — C. I., 92, 1, 4.
A. SUCCINEUS, W. Bl. — Moditoung, Arakan hills — C. I., 96, 7, 10.
A. SCULPTILIS, B. — Tondoung, Thaietmio — C. I., 97, 5, 6.
A. THEOBALDI, W. Bl. — Teriaghat. Khasi hills — C. I., 97, 2, 3.
A. URNULA, B. — Dorjiling, Maii, Attaran valley — C. I., 91, 8, 9.
A. UMBONALIS, B. — Akouktoung — C. I., 92, 8, 9.
A. VESTITUS, W. Bl. — Moditoung, Chuaygalay Sukan. Baumi, Akyab — J. A. S., 1862, p. 138 ; C. I., 103, 4.
A. VULCANI, W. Bl. — Puppadoung — C. I., 96, 8, 9.

Sub-Family. PUPININÆ.

STREPTAULUS, *Benson.*

S. BLANFORDI, B. — Sikkim hills — An. & Mag., N. H., 1857, p. 201.

RAPHAULUS, *Pfeiffer.*

R. CHRYSALIS, Pf. — Farm caves, Moulmein — (non "*arva*"), P. Z. S., 1851.
R. PACHYSIPHON, Theob. et Stol. — Moulmein (near) — J. A. S., 1872, part ii, p. 329, pl. xi, f 1.

HYBOCYSTIS, *Benson.*

H. GRAVIDA, B. — Farm caves, Moulmein. Damathat caves — C. I., 7, 1.
Otopoma blennus, B. = jav.

PUPINA, *Vignard.*

P. ARTATA, B. — Pegu. Gwah hill — C. I., 7, 5.
P. ARULA, B. — Yunglaw, Tenasserim valley — C. I., 7, 4.
P. BLANFORDI, Theob. — Pegu — C. I., 7, 6.
P. IMBRICIFERA, B. — Khasi hills — C. I., 7, 7.
P. PEGUENSIS, B. — Pegu — An. & Mag., N. H., 1860, p. 192.

MEGALOMASTOMA, *Guilding.*

M. FUNICULATUM, B. — Dorjiling Punch hills, Kashmir (fide Lydekker) — C. I., 7, 2.
pauperculum Sou — Bhutan.
M. SECTILABRE, Gould — Yunglaw, Tenasserim valley — C. I., 7, 3.

CATAULUS, *Pfeiffer.*

C. AUREUS, Pf. — Ceylon — P. Z. S., 1855, p. 188.
C. AUSTENIANUS, B. — Heneratgodde, Ceylon — An. & Mag., N. H., 1853, p. 95.
C. BLANFORDI, Dohrn — Bollegalle, Ceylon — P. Z. S., 1862, p. 202.
C. CUMINGI, Pf. — Ceylon — P. Z. S., 1856, p. 399.
C. DECORUS, B. — Ratnapura, Ceylon — An. & Mag., N. H., 1853, p. 96.
C. DUPLICATUS, Pf. — Ceylon — P. Z. S., 1854, p. 303.
C. EURYTREMA, Pf. — Ceylon — P. Z. S., 1852; 145, pl. xiii, f. 5.
C. GREGARIUS, H. Nev. — Ceylon.
C. HÆMASTOMUS, Pf. — Ceylon — P. Z. S., 1856, p. 391.
C. KALKADENSIS, W. Bl. — Kalkad hills, Travankor —
J. A. S., 1869, part ii, p. 137, pl. xvi, f 8.
C. LEUCOSTOMA, Far. — Ceylon.
C. LAYARDI, Gray — Ceylon — P. Z. S., 1852, 160, pl. xiii, f 6.
C. MARGINATUS, Pf. — Ceylon — P. Z. S., 1853, p. 52.
C. NIETNERI, G. & H. Nev. — Ceylon — J. A. S., 1871, part ii, p. 7, pl. 1, f 7.
C. PYRAMIDATUS, Pf. — Ceylon — P. Z. S., 1852, 145, pl. xiii, f 4.
C. RECURVATUS, Pf. — Anamallay hills — P. Z. S., 1862, p. 116, pl. xii, f 2.
C. TEMPLEMANI, Pf. (as Pupina) — Ceylon — P. Z. S., 1852, p. 158.
C. THWAITESI, Pf. — Ceylon — P. Z. S., 1852, p. 147.
C. TORTUOSUS, Chem. — Nikobars (?), Probably Southern India —
Chem. Conch. xi., p. 158, pl. 195, f 1882, 1883.

Sub-family. POMATIASINÆ.

POMATIAS, *Studer.*

P. HIMALAYANA, B. — Sikkim, Himalayas — C. I., 7, 9.
P. PEGUENSIS, Theob. — Gwah hill — C. I., 7, 8.
P. PLEUROPHORUS, B. — Khasi hills — An. & Mag., N. H., 1857 & 1859, p. 183.

FAMILY. Diplommatinidæ.

DIPLOMMATINA, *Benson.*

D. AFFINIS, Theob. — Upper Salwin valley — J. A. S., 1870, part ii, p. 398.
D. AUSTENI, W. Bl. — North Khasi hills — J. A. S., 1868, part ii, p. 82, pl. iii, f 2.
D. BLANFORDIANA, B. — Dorjiling — An. & Mag., N. H., 1860, p. 460.
D. COSTATA, Hutton — Landour — An. & Mag., N. H., 1849, p. 194.
Carychium costatum, Hutton.

D. CARNEOLA, Stol. — Damathat — J. A. S., 1871, part ii, p. 152, pl. vi, f 3.
D. DIPLOCHEILUS, B. — Khasi hills — An. & Mag., N. H., 1857, p. 202.
D. DEPRESSA, God. Aust. — North Kachar — J. A. S., 1870, part ii, p. 2, pl. i, f 2.
D. EXILIS, W. Bl. — Myaleit Doung. Farm caves, Moulmein — J. A. S., 1863, p. 325.
D. FOLLICULUS, Pf. — Western Himalaya — An. & Mag., N. H., 1849, p. 193.
D. GLABER, W. Bl. — Akyab — J. A. S., 1865, part ii, p. 84.
D. GIBBOSA, W. Bl. — Habiang, Garo hills — J. A. S., 1868, part ii, p. 80, pl. ii., f 4.
D. GRACILIS, Beddome — Golkondah.
D. HUTTONI, Pf. — Masuri — P. Z. S., 1852, p. 157.
D. INSIGNIS, God. Aust. — Asalu, Barrail range — J. A. S., 1870, part ii, p. 6, pl. ii, f 1.
D. JAINTIACA, God. Aust. — Jawai — J. A. S., 1870, part ii, p. 4.
D. JATINGANA, God. Aust. — Junction of Kayeng and Talinga River, North Kachar— J. A. S., 1870, part ii, p. 1, pl. i, f 1.
D. LABIOSA, W. Bl. — Habiang, Garo hills — J. A. S., 1868, part ii, p. 80, pl. ii, f 3.
D. NANA, W. Bl. — Akouktoung — J. A. S., 1865, p. 85.
D. OLIGOPLEURIS, W. Bl. — Khasi hills — J. A. S., 1868, part ii, p. 82, pl. iii, f 4.
D. PARVULA, God. Aust. — Moyong, North Khasi hills — J. A. S., 1870, part ii, p. 5, pl. i., f 5.
D. POLITUS, W. Bl. — Phoung-do, near Cape Negrais — J. A. S., 1865, part ii, p. 83.
D. PULLULA, B. — Dorjiling — An. & Mag., N. H., 1859, p. 182.
D. PACHYCHEILUS, B. — Dorjiling — An. & Mag., N. H., 1857, p. 203.
D. POLYPLEURIS, B. — Khasi and Jaintia hills. Nattoung in W. Prome. Sandoway, and Moulmein — An. & Mag., N. H., 1857; J. A. S., 1868, part ii, p. 83, pl. iii, f 1.
D. PUPÆFORMIS, Theob. — Upper Salwin valley — J. A. S., 1870, part ii, p. 398.
D. PUPPENSIS, W. B. — Puppadoung, Ava — J. A. S., 1863, p. 324.
D. RICHTHOFENI, Theob. & Stol. — Tonugtalon, Moulmein. J. A. S., 1872, part ii, p. 331, pl. xi, f 4, C. I., 141, 7, 8.
D. SHERFAIENSIS, God. Aust. — Sherfaisip and Maranghsi peaks, North Kachar — J. A. S., 1870, part ii, p. 3, pl. i, f 3.
D. SCALARIA, W. Bl. — Habiang, Garo hills — J. A. S., 1868, part ii, p. 79, pl. i, f 6.
D. SCALAROIDEA, Theob. — Ava — J. A. S., 1870, part ii, p. 399, pl. xviii, f 5.
D. SALEWINIANA, Theob. — Upper Salwin valley — J. A. S., 1870, part ii, p. 398.
D. SPERATA, W. Bl. — Nionug-jo, Arakan hills. Maii — J. A. S., 1862, p. 143.
D. SEMISCULPTA, W. Bl. — Dorjiling — J. A. S., 1868, part ii, p, 78, pl. i., f 6.
D. TUMIDA, God. Aust. — Nenglo, Barrail range, North Kachar — J. A. S., 1870, part, ii, p. 6, pl. iii, f 2.
D. UNGULATA, H. Bl. — Dorjiling — J. A. S., 1871, part ii, p. 42, pl. ii, f 5.

NICIDA, *W. Blanford.*

N. CEYLANICA, H. Nev. — Ceylon.
N. CHRYSALIDEA, H. Nev. — Ceylon.
N. FAIRBANKI, W. Bl. — Palney hills — Jr. Con., vol. xvi., p. 335, pl. xiv, f 4.
N. KINGIANA, W. and H. Bl. — Kolamallay hills — C. I., 141, 1. J. A. S., 1861, p. 348, pl. i, f 2; Jour. Conch., vol. xvi, p. 333.
N. LIRICINCTA, W. Bl. — Khandala, Western Ghâts — C. I., 141, 2; Jour. Conch., vol. xvi, p. 336, pl. xiv, f 5.

N. NILIGIRICA, W. Bl. — Pykara, Nilgiri hills — J. A. S., 1860, p. 124 ; Jour. Conch., vol. xvi, p. 332, pl. xiv, f 1 ; C. I., 141, 4.
N. NITIDULA, W. Bl. — Kalpatty hill, Wynaad — Jour. Conch., vol. xvi, p. 334, pl. xiv, f 3.
N. PALNEYANA, W. Bl. — Pulney hills — Jour. Conch., vol. xvi, p. 333, pl. xiv, f 2.
N. UNICARINATA, H. Nev. Mss. — Ceylon.

PALAINA, *Semper.*

P. ANGULATA, Theob. & Stol. — Chouktalon hill, south of Moulmein — J. A. S., 1872, part ii, p. 331, pl. xi, f 3.
P. CRISPATA, Stol. — Damathat, and Farm caves, near Moulmein — J. A. S., 1871, part ii, p. 153, pl. vi, f 4 ; C. I., 141, 6.

CLOSTOPHIS, *Benson.*

C. SANKEYI, B. — Farm caves, Moulmein — An. & Mag., N. H., 1860, p. 95.

OPISTHOSTOMA, *W. & H. Blanford.*

O. DEKKANENSE, Beddome.
O. FAIRBANKI, W. Bl. — Khandala, Western Ghats — P. Z. S., 1866, pl. xxxviii.
O. MACROSTOMA, W. Bl. — Bramagiri hills, Wynaad — J. A. S., 1869, part ii, p. 139, pl. xvi, f 7.
O. NILIGIRICUM, W. et H. Bl. — Pykara, Nilghiri hills — J. A. S., 1860, p. 12, 1.

FAMILY. Helicinidæ.

Sub-Family. HELICININÆ.

HELICINA, *Lamarck.*

H. ARAKANENSIS, W. Bl. — Bassein & Ramri Island — J. A. S., 1865, part ii, p. 85.
H. ANDAMANICA, B. — Andamans — An. & Mag., N. H., 1860, p. 194.
H. CROCINA, B. — Tonghu.
H. MERGUIENSIS, Pf. — Mergui — P. Z. S., 1857, p. 111.
H. SCRUPULUM, B. — Andamans — An. & Mag., N. H., 1863, p. 425.

Sub-Family. HYDROCENINÆ.

HYDROCENA, *Parryess.*

H. BLANFORDIANA, Stol. — Chouktalon and Farm caves, Moulmein — J. A. S., 1871, part ii, p. 158, pl. vi, f 6.
H. FRUSTRILLUM, B. — Myaleitdoung, Ava — An. & Mag., N. H., 1860, p. 193.
H. FRATERNA, Theob. & Stol. — Chouktalon, south of Moulmein — J. A. S., 1872, part ii, p. 332, pl. xi, f 5, 6.
H. ILLEX, B. — Phaiethan hill, Tenasserim — An. & Mag., N. H., 1856, p. 231.
H. LIRATULA, Stol. — Damathat. Toungtalon, Moulmein — J. A. S., 1871, part ii, p. 157, pl. vi., f 5.
H. MILIUM, B. — P. Z. S., 1872, pl. xxx, f 3.
H. PYXIS, B. — Tondong, Thaietmio — An. & Mag., N. H., 1856, p. 232.
H. RAWESIANA, B. — Farm caves, Moulmein — An. & Mag., N. H., 1860, p. 193.
H. SARRITA, B. — Cherrapunji — An. & Mag., N. H., 1851, p. 188.

OMPHALOTROPIS, *Pfeiffer.*

O. DISTERMINA, B. — Andaman Islands — An. & Mag., N. H., 1863, p. 425.

Class. PELECYPODA.

Order. PHOLADACEA.

Family. Pholadidæ.

Sub-family. Pholadinæ.

Martesia, *Leach.*

M. fluminalis, W. Bl. — Irawadi Delta — J. A. S., 1867, part ii, p. 67, pl. xiv, f 1, 2, 3.

Sub-family. Teredininæ.

Nausitora, *Perceval Wright.*

N. Dunlopei, P. Wright — Komer R. below Faridpur —
Transactions Lin. Soc., 1864, p. 451, pl. 46.

Family. Solenidæ.

Novaculina, *Benson.*

N. Gangetica. B. — Ganges R., Irawadi R., Tenasserim R. —
Chenu. Man. Conch., vol. ii, p. 25, f 110.

Order. VENERACEA.

Family. Glauconomyidæ.

Tanysiphon, *Benson.*

T. rivalis, B. — Tollys Nullah, Calcutta — Adams Genera Rec. Moll., p. cxxxviii, f 15.

Family. Cyrenidæ.

Velcrita, *Gray.*

V. cyprinoides, Gray — Malabar coast, near Beypur —
Griffith Cuv. R. A., vol. xii, pl. 31, f 5.

V. Kochinensis, Hanley — Kochin, India — P. Z. S., 1858, p. 543, Prime Monog., 236, f 66.

Corbicula, *Megerle' von Mühlfeldt.*

C. Agrensis, Prime — Agra — Annals Lyc., N. H., New York, vol. viii, p. 75, f 24.

C. Bengalica, Desh — Bengal — Annals Lyc., N. H., New York, vol. viii, p. 220, f 52.
Bengalensis Desh.

C. Bensoni, Desh — Bengal — Proc. Acad., Nat. Sce. Phil. 1860, p. 268; C. I., 138, f 1, 4.

C. cor, Lam — "Asia" (an India ?) — Annals Lyc., N. H., New York, p. 63, f 8.
(The true *C. cor.* Lam. does not seem to occur in India. The *cor.* of authors being referrible to one or more of the local species.)

C. consanguinea, Prime — India — Annals Lyc., N. H., New York, p. 417.
"Lateral teeth are stronger and much broader than in *C. striatella.*"

C. Cumingii, Desh (?) "Philippines" — Southern India —
Annals Lyc., N. H. New York, p. 217, f 46, 47.
I should certainly identify our fine Southern India species with the above.
notata Prime — Annal Lyc., N. H., New York, vol. viii, p. 218, f 48.

C. gracilis, Prime — Proc. Acad. Nat. Sce. Phil., 1860, p. 270.
fluminea Müll apud Mouss. — Moll. Java, p. 87, pl. xv, f 3.
arata B. — Tenasserim River.
Moussoni Desh — Adams Gen. Rec. Moll, 2, 447.

C. IMPERIALIS, Prime — Pondicherry — Annals Lyc., N. H., New York, 1869.

C. KASHMIRENSIS, Desh — Kashmir — Prime Proc., Acad. Nat. J. Phil., 1860, p. 269; P. Z. S., 1854, p. 344; C. I., 138, f 2, 3.

C. OCCIDENS, B. — Sikkim, Moradabad — Prime Proc. Acad. Nat. Sc . Phil., 1860, p. 272, and Annals. Lyc., N. H., New York, vol. viii, p. 220, f 51; C. I., 138, f 8, 9.

C. PARVULA, Prime — Prime Proc. Acad., Nat. &c., 1860, p. 272; Annals Lyc., N. H., New York, vol. viii, p. 76, f 25.

C. PISUM, W. Bl., mss — Ava.

C. QUILONICA, B. — Quilon — Ann. & Mag., N. H., 1860; Prime Proc. Acad. &c., 1860, p. 224.

C. LYDIGIANA, Prime — Assam — Prime Proc. Acad., Nat. &c., 1866, p. 214; Annals. Lyc., N. H., New York, vol. viii, p. 214, f 41.

C. STRIATELLA, Desh — Pondicherry — Annals Lyc., N. H., New York, vol. viii, p. 74 f 22; C. I., 138, f 7, 10.

violacea Prime.

C. SUBRADIATA, Prime — Agra — Prime Proc. Acad. Nat. &c. 1860, p. 273; Annals Lyc., N. H., New York, vol. viii, p. 75, f 23.

C. TENENTII, Hanley.

C. TRIGONA, Desh — South India — Prime Pro. Acad. Nat. &c., 1860, p. 274; P. Z. S., 1854, p. 344 and 1864, p. 221; Annals. Lyc., N. H., New York, vol. viii, p. 221, f 53.

SPHÆRIUM, *Scopoli.*

S. INDICUM, Desh — India — P. Z. S., 1854, p. 342.

S. AVANUM, Theob. — Ava — J. A. S., 1873, part ii.

PISIDIUM, C. *Pfeiffer.*

P. CLARKEANUM, G. Nev — Tanks near Moisraka or Damuda R. J. A. S., 1871, part ii, p. 9, pl. i, f 4.

P. BOMBAYANUM, Theobald — Bombay — P. A. S., B., 1875.

P. NEVILLIANUM, Theobald — Rurki, N. W. Provinces — P. A. S., B., 1875.

P. ATKINSONIANUM, Theobald — Tonglu in Sikkim — P. A. S., B., 1875.

P. STOLICZKIANUM, Theobald — Port Canning — P. A. S., B., 1875.

An oval species P. paludosum Hutton has been recorded from Afghanistan, J. A. S., 1849, p. 659, but cannot be appropriately included among Indian species of the genus, though it may possibly be hereafter discovered within Indian limits towards the sources of the Gangetic or Indus basins.

FAMILY. **Unionidæ.**

Sub-Family. UNIONINÆ.

UNIO, *Philipsson.*

The only natural and satisfactory method of arranging individuals of this confusing genus is in my opinion by groups, wherein are located the forms possessing a common facies or type. Strictly speaking, these 'groups' are in reality species, but it is convenient, and indeed necessary, to retain specific names for many forms which greatly differ both in appearance and distribution from one another, though their claim to specific separation is allowed, less or strict zoological grounds than as a matter of convenience and

compromise; for so greatly do the individuals of a species in such a genus as Unio vary among themselves, according to the differences of their individual surroundings, that it is essential to have distinguishing titles (whether alphabetical symbols or names), if we would not altogether lose sight of the geographical side of the question, in pursuit of a theoretically faultless definition of species. To do so would, in my opinion, be to reverse the relative importance of the two aspects of the subject, as the main object of correctly defining what really is a species, in this, or any genus is, that we may the more confidently pursue our investigations touching the life of each particular species, in time and space, as marked by its origin, development and ultimate decay.

A "MARGINALIS" GROUP.

U. MARGINALIS, Lam — India passim, Ceylon, Barmah — C. I. 43, 2, 44, 3.
bilineatus Lea = Young.

This species and its allies or local races, occurs throughout the whole of India from the sub-Himalayan Tarai to Cape Komorin and the Island of Ceylon, and ranges through Assam and the country lying at the head of the Bay of Bengal down into Arakan, Pegu and Tenasserim. In fact the species would seem to range beyond the limits of British India, even in its most comprehensive sense, though the typical forms of the species occur mainly in Lower Bengal and Pegu. I have typical specimens from Chandernagore, Manbhum, Kuddapah, Madras, Hassan, &c., the largest being from Chandernagore and measuring 90, 42, 28 mills. These Chandernagore shells are fairly typical, though they often display the rich coloring of the form *a* tricolor, Kust.

(The measurements of breadth, height and thickness are given in mills, from the largest specimen in my possession.)

a. TRICOLOR, Kust — Chandernagore — C. I., 43, 5.

b. ANODONTOIDES, Kust — Calcutta — C. I., 42, 7.
This species probably represent one of the numerous varieties found about Calcutta. 92, 43, 29 mills.

c. TRAPEZOIDES (var nov) — Calcutta, Manbhum.
A depressed square variety very marked, but which passes insensibly into the last. 75, 41, 23 mills.

d. KANDAHARICA, Hutton — Manbhum, Kistna valley — C. I., 43, 4.
75, 40, 26 mills, Kandahar (?)

e. THWAITESII, Lea — Ceylon, Colar, Chittledroog — C. I., 43, 1.
Layardi Lea — 69, 36, 21 — C. I., 41, 1.

f. JENKINSONIANUS, B. — Tezpur, Assam — 41, 4.
103, 52, 36 mills.

g. OBESA HAN, & Theob. — Tonghu, Assam, Silchar — C. I., 43, 3.
135, 77, 47 mills.
A giant race, from a tank within the walls of Tonghu — C. I., 44, 4.

h. CORRIANUS, Lea — Pegu.
120, 59, 32 mills.

i. LAMELLATUS, Lea — Mandelay, Pegu, Keren-ni hills — C. I., 9, 6, 44, 7.
90, 56, 26 mills.

j. GENEROSUS, Gould — Pegu — C. I., 46, 4, 7.
103, 61, 32 mills.

k. CYLINDRICUS — locality unknown — C. I., 44, 1.

l. ZONATUS, Desh. — Belgaum — C. I., 44, 2.
scarcely separable from the type.

m. CONSOBRINUS, Lea — C. I., 41, 7.

n. SCUTUM, B. — Tenasserim River — C. I., 46, 1.

o. THECA, B. — Bundelkand, Southern India (?) — C. I., 12, 5.
A very marked form. I have a large odd valve of what I take to be this race from the Kistna R.

B "CORRUGATUS" GROUP.

a. CORRUGATUS, Müll — India passim, Ceylon, Barmah — C. I., 45, 55.
39, 26, 16 mill, Purneah.

b. MARCENS, B. — Tezpur, Kush-Behar — C. I., 42, 4, 5, 6.
74, 49, 32 mills.

c. FAVIDENS, B. — Bhitoura on the Ganges — An. & Mag., N. H., Sept. 1862; C. I., 107, 3.
deltæ, B. — Sundribans near Calcutta, Jellinghy R. — C. I., 11, 1, 42, 2.
72, 55, 30 mills.
tripartitus Lea — Jellinghy R. — Lea Obr., vol. xi, pl. 61, p. 19, f 55.

Two shells obtained by me from a dealer in London, correspond fairly with this species, but only display a tendency to a triple tooth in the left valve. In some specimens however of deltæ B. from the Sundribans, this peculiar feature of tripartitus is distinctly seen, but in deltæ the um bones are strongly corrugated, and with a series before me I cannot consider the above forms, as other than local races of one species and even varieties of the same race.

d. Wyne gangensis, Lea — Central and Southern India, Assam — C. I., 45, 6.
Nagporensis, Lea — C. I., 45, 2, 6, ?.
læirrostris, B. — Assam — C. I., 44, 5, 6.
59, 41, 27 mills, Pemgunga River.

e. TRIEMBOLUS, B. — Narbadda R., Purneah, Moradabad — An. & Mag., N. H., Sept. 1868; C. I., 107, 2.
trirostris — 61, 43, 30, mills, Juanpur — C. I., 11, 6.

f. INDICUS, Sow. — Narbadda R., Rajputana — C. I., 107, 1, 4.
trigona B. (?) — 41, 34, 21 mills.

g. RUGOSUS, Gmel. — Koimbatore.
36, 25, 14 mills.

h. TENNENTII, Hanley — Kistna valley — 45, 7, 8, 9.
30, 21, 13 mills.

i. SMARAGDITES, B. — Assam — 10, 5, 5a, 5b.

j. CHRYSIS, B. — Bareilly — 41, 3.

k. PINAX, B. — Moradabad, Rohilkand — C. I., 11, 2.

l. PLAGIOSOMA — Banda, Bandelkand — C. I., 11, 3.

m. SIKKIMENSIS, Lea — Parneah Tarai — C. I., 11, 4, 107, 6, 7.
49, 31, 18 mills.
An unwholesome, impoverished race.

n. MYSORIENSIS — Shimuga, Mysore, Kaddapah.
52, 36, 24 mills.

o. FEDDENI, Th. — Pemgunga — J. A. S., part ii, 1873.
46, 35, 21 mills.
A very peculiar form somewhat recalling the American securis Lea, as regards outline.

p. LUTEUS, Lea — Newville, Burmah — Lea Obr., vol. vi., p. 11, pl. 24, f 4.

q. TAVOYENSIS, Gould — Pegu.
parma B. (?) — Tenasserim R.
64. 48, 29 mills.

r. CORBIS, B. — Assam — C. I., 45, 10.

s. RAJAHENSIS, Lea — Calcutta — Lea. Obr., vol. iii, p. 77, pl. 23, f 53.

The following three species form an interesting little group, very illustrative of the danger of pronouncing a species of unio to be distinct from another without a large series for comparison. If a characteristic specimen is taken of either t. u. or v. no doubt would be entertained of the necessity for separating them, but a larger series shows that they are merely varieties which pass with each other by the gradual suppression or development of particular characters, so that the only scientific method of classing uniones is by grouping them round certain types, and to a great extent passing over such accidental or secondary characters, as are usually held of specific value. The type of this section is

t. BURMANUS, W. Bl. — Mandelay — P. Z. S., 1869, p. 449; C. I., 42, 1.

u. BHAMOENSIS, Th. — Bhamo, Pegu — J. A. S., 1873, part ii.
59, 47, 29 mills.

v. MANDELAYENSIS, Th. — Mandelay — J. A. S., 1873, part ii.
53, 40, 30 mills.

C. "CŒRULEUS" GROUP.

CŒRULEUS, Lea — Calcutta, Kush Behar, Pegu — C. I., 12, 3, 3a.
50, 26, 20 mills.

a. TUMIDA, var — Calcutta.
62, 28, 21 mills, a mixed form approaching the next.

b. PACHYSOMA, B. — Assam — C. I., 12, 1, 1a.

c. GAUDICHAUDII, Eyd — Chandernagore, Dacca.
A large form with a beautiful blush spread over the nacre of fresh shells.
66, 32, 24 mills.

d. NAMADICUS var — Narbadda R., Ahmednaga, Kistna R.
The large well sculptured race of the Narbadda and Southern India.
60, 34, 23 mills.

e. BONNEAUDI, Eydi — Bhamo, Pegu, Belgaum—C. I., 10, 6, 6a, 46, 5, 6.
47, 26, 20 mills.

The type figured in the Mag. de Zool., pl. 119, f 1, differs considerably from the figures in the Conch. Indica, but the species is evidently a very variable and widely spread one. In the type the sculptured portion of the valves is more circumscribed than is usually seen; traces of sculpture usually extending to more or less over the greater portion of the valves, whilst on the type figure the sculpture is confined to the posterior slope, with a slighter development anteriorly. A large series however convinces me that the figures in the Conch. Indica are correctly referred to this species.

f. MACILENTUS, B. — Bengal, Rohilkand — C. I., 10, 2, 4.
occatus Lea.

g. GERBIDONI, Eyd. — Coromandel — Mag. de Zool., pl. 118, f 2, 12, 2, 4.

h. SHURTLEFFIANUS, Lea — Ahmednaggar — Lea, Obs., vi. 22, pl. 27, f. 17.
i. GAUDICHAUDII, Eyd. — Bengal — Mag. de Zool., pl. 118, f. 3.
j. KERAUDRENII, Eyd. — Chandernaggar — Mag. de Zool., pl. 118, f. 1.
k. LEIOMA, B. — Bombay, Purneah — C. I., 12, 6, 6a. 52, 25, 16 mills.
l. EVITATUS, Lea — Bengal, Sahibganj — Lea, Obs., vol. xii. p. 39, pl. 38, f. 92.

I have two odd left valves of a species which seems to agree with Lea's description, from Sahibganj. The largest is 40 mills long and a stout solid shell.

All the above species and sub-species form a natural group, varying in characters more or less from the central or type species *cæruleus*. There are a few also which are connected with *cæruleus*, but belong rather to a Siamese type, between which and *cæruleus* they form a natural link—the most prominent character being the waved sculpture with which they are ornamented. If this sculpture were a fixed character in the type forms, there would be little objection to separating such shells altogether from the *cæruleus* group; but such is not the case, and the sculpture is often indistinctly displayed in individuals of species which possess it in the highest degree. Some of the Southern India forms of *U. Bonneaudi* are very richly sculptured; but the more marked forms of the *crispatus* type are from Assam, Tenasserim, and Siam.

m. CRISPATUS, Gould — Tavoy — C. I., 45, 1.
n. SCOBINA, B. — Assam, Belgaum — C. I., 46, 2, 3.
fluctiger, Lea.
o. RADULA, B. — Assam — C. I., 10, 3.
p. RUGOSUS, Gmel.

D. "CRISPISULCATUS" GROUP.

U. CRISPISULCATUS, B. — Pegu — C. I., 11, 5.
54, 35, 24 mills.
a. GOWHATTENSIS, Theob. — Gowhatti, Assam — J. A. S., 1873, part ii.
39, 25-5, 18 mills.

E. "OLIVARIUS" GROUP.

U. OLIVARIUS, Lea — Maldah and Purneah — C. I., 10, 1.
39, 22, 16 mills.
a. NUTTALLIANUS, B. — Assam — C. I., 41, 5, 6.
b. INVOLUTUS, B. — Assam — C. I., 41, 2.

F. "PUGIO" GROUP.

U. PUGIO, B. — Pegu — C. I., 10, 7.
62, 31, 22 mills.
The other allies of this species are from China and Siam.

G. "FOLIACEUS" GROUP.

U. FOLIACEUS, Gould — Pegu, Tavoy — C. I., 42, 3.
Peguensis, Anthony—64, 37, 21 mills.
b. EXOLESCENS, Gould — Tavoy — C. I., 107, 5.

MONOCHONDYLÆA, *Dorbigny.*

M. CREBRISTRIATUM, Anthony — Pegu — C. I., 9, 3, 5.
Peguensis, Anthony.

M. INOSCULARIS, Gould — Pegu, Salween R. — C. I., 9, 2.
Von Dembuschiana, Reeve.

M. SALWENIANA, Gould — Henzahdah, Pegu, Salween R. — C. I., 9, 4.

M. AVÆ, Theob. — Mandelay — J. A. S., 1873, part ii.

ANODONTA, *Bruguiere.*

"A minute species which inhabits ponds in Bundelkund" (Benson, J. A. S., 1836, p. 750).

SOLENAIA, Conrad (Am. Jour. Conch., vol. iv. part iv. p. 249).

S. SOLENIFORMIS, B. — Ruparkali R., Kachar — C. I., 9, 1.

FAMILY. **Mytilidæ.**

MODIOLA, *Lamarck.*

M. EMARGINATA, B. — Tollys nulla, Calcutta, and Irawadi delta.

FAMILY. **Arcidæ.**

SCAPHULA, *Benson.*

S. CELOX, B. — Ganges, many hundred miles above the tideway — J. A. S., 1836, p. 750; J. A. S., 1867, part ii. pl. 14, f. 14, 15.

S. PINNA, B. — Tenasserim R., within the tideway — An. & Mag. N. H., 1856, p. 128; J. A. S., 1867, part ii. pl. 14, f. 11, 13.

S. DELTÆ, Bl. — Irawadi delta, within the tideway — J. A. S., 1867, part ii. p. 71, pl. 14, f. 7, 10.

NOTES ON THE "CONCHOLOGIA INDICA."

THE following notes on the "Conchologia Indica" would never have been necessary, but for the unjustifiable refusal of the Publishers of that work to submit proof-sheets of it to me for correction. In 1867, during a visit to England, after a sojourn of twenty years in our Indian possessions, I proposed to my esteemed coadjutor, Mr. Hanley, the bringing out of a work on the Land and Freshwater Shells of India; and in consideration of allowing him to retain in his own possession all the shells supplied by me for figuring in the proposed work (save unique examples only), I gained his ready assent to co-operate in the undertaking. Trusting to my coadjutor's well-known zeal and ability, and his personal interest in the publication, I made no stipulation as to the method of bringing out or arranging the Plates; but I insisted on the responsibility for the geographical distribution of species devolving on me, as a part of the work which I was naturally more competent to direct than anyone unfamiliar with India; and it was distinctly arranged that I should be entrusted with the preparation of a distributional table of species, to more perfectly secure this object, which I considered of not less value than correct delineation. On the appearance of the first part of the work it at once became evident that from my coadjutor's unfamiliarity with Indian geography unsightly errors were likely to result; and I

accordingly wrote to the Publishers, requesting that proofs of the work might be supplied to me, so that glaring geographical solecisms with regard to the distribution of species might in future be avoided. The Publishers in reply politely declined to do anything of the sort, though my name appears as joint editor with Mr. Hanley's on the title-page. After this I waited with what patience I might till I found the work nearing completion, without any prospect of my being able to exercise any control over it, so that the preparation of the present Catalogue was all that was left for me to do, if I did not wish to acquiesce without protest in the injurious treatment to which I had been subjected in the matter, or to sanction by my silence the many blunders of a geographical nature which the letterpress of the work contains. Even the Preface, which purports to be a joint composition of Mr. Hanley and myself, was printed and issued by my coadjutor before I had so much as an inkling of its contents, or I should have vigorously protested against the maudlin Philosophy of Friendship acting as a bar to Criticism, so different from the manly utterance of the Roman poet:

> "Si bene te novi metues liberrime Lolli
> Scurrantis speciem praebere professus amicum.
> Ut matrona meretrici dispar erit atque
> Discolor, infido scurrae distabit amicus."

Neither do I consider the archaic arrangement of the systematic list given in Part VIII. of the "Conchologia Indica" is defensible in such a work, or palliated by the declaration in the Preface that it is only put forth as a "*convenient sequence*," whatever that may mean; neither is the regret for its shortcoming in this respect lessened by the impress which it everywhere bears of wide and conscientious research.

Plate I., f. 1. Cycl. flavilabris, B. The type of this species is the property of the Asiatic Society of Bengal, and is, I believe, unique. The shell figured is my C. arthriticus, again figured t. 4.

Plate I., f. 2. The type was from near Thayet-mio. Shells from Moulmein and Tenasserim referred to this species are rather vars. of C. speciosus.

Plate II. C. zebrinus, B. Habitat, 'Tenasserim' (doubtful).

Plate III., f. 4. C. aurora, B. An indifferent specimen. The males of this and several other species run much smaller than the females.

Plate III. C. Haughtoni, Th. A parti-coloured or funiculate keel, not well seen in the figure, characterises this species.

Plate V. Spirac. Mastersi, Bl. (MSS.) Habitat near Gola ghât.

Plate VII. Megal. funiculatum, B. Extraordinary as the habitat may seem, this shell has been recently obtained by M. Lydekker from the Punch hills, Kashmir.

Plate VIII., figs. 5, 10. Transpose names.

Plate XIII., f. 10. Plect. cyclaspis, B. *Erase* 'Tenasserim,' *and add* 'Martaban district.'

Plate XIV., f. 4. Trach. gabata, Gould. *Erase* 'Birmah,' *and add* 'Tenasserim Prov.'

„ „ f. 6. Gan. hariola, B. *Erase* 'Birmah,' *and add* 'Irawadi valley.' Mainly found on acacia trees and the Phyllanthus emblica, or Shah-hpew.

Plate XIX., f. 5. Amp. atricallosus, Gould. The shell figured is A. Janus, Pfr., from near Mergui. The true atricallosus is not figured in the C. I. It is a larger shell, without bands, of a lemon colour and black throat. It is widely dispersed in Tenasserim, and used as an ornament by the buxom Karen girls.

Plate XIX., f. 10. Amp. Theobaldianus, B. The specimen figured is immature. The species I hold to be a mere form of the Protean Amp. Schomburghi. It is a scarce shell, but ranges as far North as the valley of the Salwin.

Plate XX., f. 2. Nap. arcuatus, Hutton. *Erase* 'Moulmein,' the genus being unknown east of the Bay of Bengal.

Plate XX., f. 6. Nap. Sindicus, B. *Erase* 'Darjiling,' *and add* 'Panjab Salt Range.'

Plate XXII. B. cœnopictus, Hutton. *Add* 'India generally.'

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Plate XXV., f. 6. H. retrorsa, Gould. *Erase* 'Birmah,' *and read* 'Tenasserim.' H. uter, Th., would seem to be the dextral representative of this shell in Pegu, where it is extremely rare.

Plate XXVI., f. 1. H. oxytes, B. *Erase* 'Bengal,' *and read* 'Khasi hills.'

Plate XXVIII., f. 10. Arioph. cyclotrema, B. *Erase* 'Himalaya,' *and read* 'Sumeysar hills, North of Tirhut.'

Plate XXXI., f. 1. H. bombax, B. A young streptaxis; *vide* Pl. CLVI., f. 9.

Plate XXXIII., f. 1. C. eximius, Mouss. *Erase* 'Khasi hills,' *and read* 'Martaban district.'

Plate XXXIV., f. 1. C. stenomphalus, Pfr. *Erase* 'Khasi hills,' *and read* 'Nilghiri hills and Western India.'

„ „ f. 2. C. altivagus, B. *Erase* 'South India.'

Plate XXXIX., f. 10. Pl. exustus, Desh. *Erase* 'from Bombay to Kashmir,' *and add* 'throughout India and Birmah.'

Plate XLVIII., f. 2. C. affinis, Th. This species is intermediate between C. Haughtoni, Th., and C. speciosus, Phil. The bend or inequality in the plane of the aperture is not accidental, but a pretty constant feature, and is sometimes seen in specimens of speciosus, though no doubt an unimportant character.

Plate XLIX., f. 9, 10. Sp. Gordoni, B. *For* 'Sittenug' *read* 'Sittoung;' *and after* 'Tonghu' *add* 'Salwin valley.'

Plate L., f. 7. M. serrula, B. *Erase* 'Bengal,' *and read* 'Khasi hills.'

Plate LII., f. 6. Rot. albizonata, Dohrn. *Erase* 'Trichoor (Benares).'

Plate LIV., f. 7. Rot. galea, B. *Erase* 'Birmah.'

Plate LV., f. 3. M. artificiosa, B. *Erase* 'Arakan.' *Read* 'Phaiethan hill, Tenasserim valley.'

Plate LVIII., f. 3. Ariop. Laidlayana, B. *Erase* 'Bengal.' *Read* 'Orissa.'

Plate LX., f. 7. Troch. crinigera, B. *Add* 'Nilghiri hills.'

„ „ f. 8. Rot. diplodon, B. *Add* 'Pegu.' Figs. 9, 10, are clearly a mere var. of this species.

Plate LXII., f. 7. M. aspides, B. *Erase* 'Andamans.'

Plate LXIII., f. 10. M. glauca. B. *Erase* 'Bengal.'

Plate LXV., f. 5, 6. H. præstans, Gould. *Add* 'Pegu, Martaban, and Tenasserim.'

Plate LXVI., f. 5, 6. H. Flemingiana, Pf. *Add* 'outer hills West of the Sutlej.' Sind appears a remarkable habitat for a Himalayan species.

Plate LXVII., f. 2, 3. S. Girnarica, Theob. *For* 'Gujrat' *read* 'Kattiawar.'

Plate LXXI., f. 5, 6. Mel. Hugeli, Phil. *Erase* 'Khasi hills.'

„ „ f. 7. M. lineata, Gray. *Add* 'India generally.'

Plate LXXII., f. 3. *Add* 'M. Reevei, Brot.' (*vide* Plate CLIII.).

Plate LXXVIII., f. 4. A. Sattaraensis, H. Adams. This shell, it may be presumed, came from Western India rather than either Saharunpur or Ceylon.

Plate LXXX., f. 1. Nap. cælebs. *Erase* 'Bengal.'

Plate LXXXIII., f. 1, 2, 3. Troch. castra, B. *Add* 'India, Birmah, and Ceylon.'

Plate LXXXV., f. 2, 3. Trach. ruginosa, Fer. *Erase* 'Bengal.' *Read* 'Salem.'

Plate LXXXVI., f. 7. Sit. Attegia, B. *Add* 'Pegu.'

Plate LXXXVII., f. 1, 4. *For* 'Helix' *read* 'Pupa.'

„ „ f. 7. Kal. Barakporensis, B. *Erase* 'Barakpore,' *and read* 'Sikkim and Nilgihir hills.'

Plate LXXXVIII., f. 2, 3. M. convallata, B. *Erase* 'Birmah,' *and read* 'Therapon hill, Tenasserim valley.'

Plate XCI., f. 2, 3. A. amphora, B. *Erase* 'Tenasserim.'

Plate XCV. A. margarita, Th. *Erase* 'and Plate XCVII., f. 7.'

Plate XCVII., f. 7. *Erase* 'margarita, Th.,' *and read* 'sculptilis, B.

Plate XCVIII., f. 8, 9, 10. S. exacuta, Gould. *Add* 'Tavoy.'

Plate C., f. 6. E. bicolor. *Add* 'India and Birmah generally.'

„ f. 8. P. plicidens, B. *For* 'Himalayas' *read* 'Khasi hills and Western Himalayas.'

Plate CXI., f. 5. Ariop. bajadera, Pf. *Erase* 'Bengal,' *and read* 'Western India.'

Plate CXV., f. 2. A Theobaldi, Han. Habitat, Moulmein.

Plate CXVI., f. 7. N. Gangetica, B. *Add* 'Ganges R.' Bores in clay.

„ „ f. 8, 9. S. celox. *Add* 'Ganges R.'

Plate CXVII., f. 4. H. illex, B. *Erase* 'Thayet-mio.'

Plate CXVIII., f. 4. C. ovata, Bl. *Erase* 'Tonghu,' *and read* 'Nattoung hill, on the Attaran.'

Plate CXVIII., f. 10. C. Philippiana, Pf. It is very doubtful if this species occurs at Mergui.

Plate CXXII., f. 10. P. stephanus, B. *Erase* 'Bengal,' *and read* 'Khasi hills (Teria ghât).'

Plate CXXIII., f. 9. P. paludinoides, Reeve. *Erase* this preposterous habitat (see note to Preface). Species makers seem to have gone as crazy in this genus as in unio, melania, or lymnæa.

Plate CXXXIII., f. 7. R. chrysalis, Pf. *Erase* 'Ava.'

Plate CXXXVII., f. 2, 10. N. cœrulescens, Reeve. *Erase* 'Bengal and Hindustan,' *and add* 'within influence of the tide.'

Plate CXXXVIII. C. Kashmirensis, Desh. Locality, Beluchistan (doubtful). The species attains a larger size than the specimen figured.

Plate CXXXIX., f. 10. D. insignis, God. Aust. The locality, Shan States, requires confirmation.

Plate CXLIV., f. 2. C. Theobaldianus, var. This is rather a var. of speciosus, Phil., from the Salwin valley.

„ „ f. 7. C. serratizona, Thorp. This species is too close to C. balteatus and Haughtoni for separation. *Erase* the word 'upper' from habitat.

Plate CXLVIII., f. 10. Amphid. Andamanicus. Compare with A. Schomburghi, Pf., of which species it seems a mere variety.

Plate CXLIX., f. 2, 3. M. suboornea, Pf. Locality doubtful.

Plate CLI. Amnicola. Erase this genus from Indian Fauna. The shell is perhaps a Paludinella.

Plate CLIII., f. 1. M. Reevei, Brot. *Erase* 'Birmah.' *Read* 'Pegu.'

„ „ f. 2. M. præmordica, Tryon. *Erase* 'Pegu,' *and read* 'Thoungyeen R., a branch of the Salwin.

„ „ f. 3. Type of H. Adams, genus Brotia, Fam. Cerithiidæ.

Plate CLV., f. 3. U. Vulcanus, Han. The upper Irawadi. Looks like a variety of U. Birmanus, W. 10.

Plate CLX., f. 10. Type of Huttonella, Stoliczka.

GENERIC LIST AND INDEX TO PLATES OF THE "CONCHOLOGIA INDICA;"

With the total number of species enumerated in this Catalogue.

	PLATES.	NO. OF SPECIES.
Acavus	127, 150	8
Acmella	117	3
Alycæus	91, 92, 93, 94, 95, 96, 97, 103, 145	58
Amphidromus	19, 21, 80, 148	9
Ampullaria	113, 114, 115	20
Anadenus		3
Ancylus	81	2
Ariophanta	25, 111, 150	13
Assiminea		6
Aulopoma	4, 47	5
Bithynia	37, 38, 151	11
Boysia	8	1
Brotia	153	1
Camptoceras	158	3
Camptonyx	81	1
Carychium		2
Cataulus	106, 145, 146	20
Cerastus	20, 21	6
Coilostele	156	1
Corbicula	138, 155	18
Corilla	14, 57, 159	7
Clausilia	24, 118, 159	21
Clostophis	133	1
Craspidotropis	135	2
Cremnoconchus	146	4
Cyathopoma	82, 135, 145 (including in part Jerdonia, Mychopoma, and Craspidotropis)	25
Cyclophorus	1, 2, 3, 33, 34, 47, 48, 104, 105, 144	39
Cyclotopsis	4	1
Cylindrus	20, 22, 23	9
Diplommatina	119, 120, 139, 140, 141	37
Ditropis	136	3
Fruticola	15, 29, 30, 53, 56, 58, 86	19
Ennea	100, 101, 160	8
Eucochlias	26	1
Fairbankia		2
Ganesella	14	2

	PLATES.	NO. OF SPECIES.
Geostilbia	102	1
Geotrochus	21, 80, 148	6
Glessula	17, 18, 35, 36, 78, 102, 156	62
Hapalus	19, 79, 80, 148	6
Helicarion	65, 66, 152	31
Helicolimax		1
Hemiplecta	25, 26, 27, 28, 29, 50, 52, 58, 59, 60, 85, 111, 131, 149, 159	34
Huttonella	160	1
Hybocystis	7	1
Hydrocena	117	9
Hypselostoma	8, 147	3
Ibycus		1
Iravadia		1
Jerdonia	135	4
Kaliella	16, 87	4
Lagocheilus	6, 135	3
Larina		1
Leptopoma	6, 105, 142	15
Limax	(?)	1
Lithoglyphus	81	1
Lithotis	81	2
Limnæa	69, 70, 158	13
Macrochlamys	16, 27, 28, 29, 30, 31, 32, 51, 52, 53, 55, 56, 59, 60, 61, 62, 63, 64, 85, 86, 88, 89, 90, 111, 112, 128, 129, 130, 132, 149, 150, 152, 159	89
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Micraulax		1
Monochondylæa	9	4
Modiola		1
Mychopoma	136	2
Myxostoma	3, 4, 47, 104, 105, 143, 145	19
Napæus	19, 20, 22, 23, 80	18
Nausitora		1
Navicella	137, 157	8
Neritina	157	26
Nicida	141	12
Novaculina	116	1
Omphalotropis	145	1
Onchidium		5
Opeas	19, 70, 79	10
Opisthostoma	117	5
Otopoma	6	1

	PLATES.	NO. OF SPECIES.
Palaina	141	2
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Peronæus	22, 23	5
Philopotamis	121, 122, 123	5
Pisidium	155	5
Planorbis	39, 40, 99, 151	14
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Pomatias	7	3
Pterocyclos	5, 49, 134, 142	16
Pupa	87, 100, 101, 156, 160	29
Pupina	7	5
Rachis	19, 20, 80, 148	7
Raphaulus	133	1
Rhiostoma	5	1
Rotula	14, 29, 30, 50, 54, 55, 56, 59, 60, 84, 86, 87	22
Rhysota	28	1
Scaphula	116	3
Semicornu	14	1
Sesara	15, 30, 50, 60, 84	8
Sitala	54, 86, 149, 159	18
Solenaia	9	1
Sophina	147	4
Sphærium	155	2
Spiraculum	5, 49, 134	7
Stenothyra	37	5
Streptaulus	133	1
Streptaxis	8, 98, 156	20
Succinea	67, 68, 158	16
Subulina	17, 19, 36, 79, 159	5
Tanalia	108, 121, 122, 124, 125, 126	3
Tanysiphon	116	1
Tectura		1
Thysonota	55	1
Trachia	14, 28, 29, 30, 50, 53, 55, 56, 85, 112, 131, 149	16
Tricula	155	1
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